

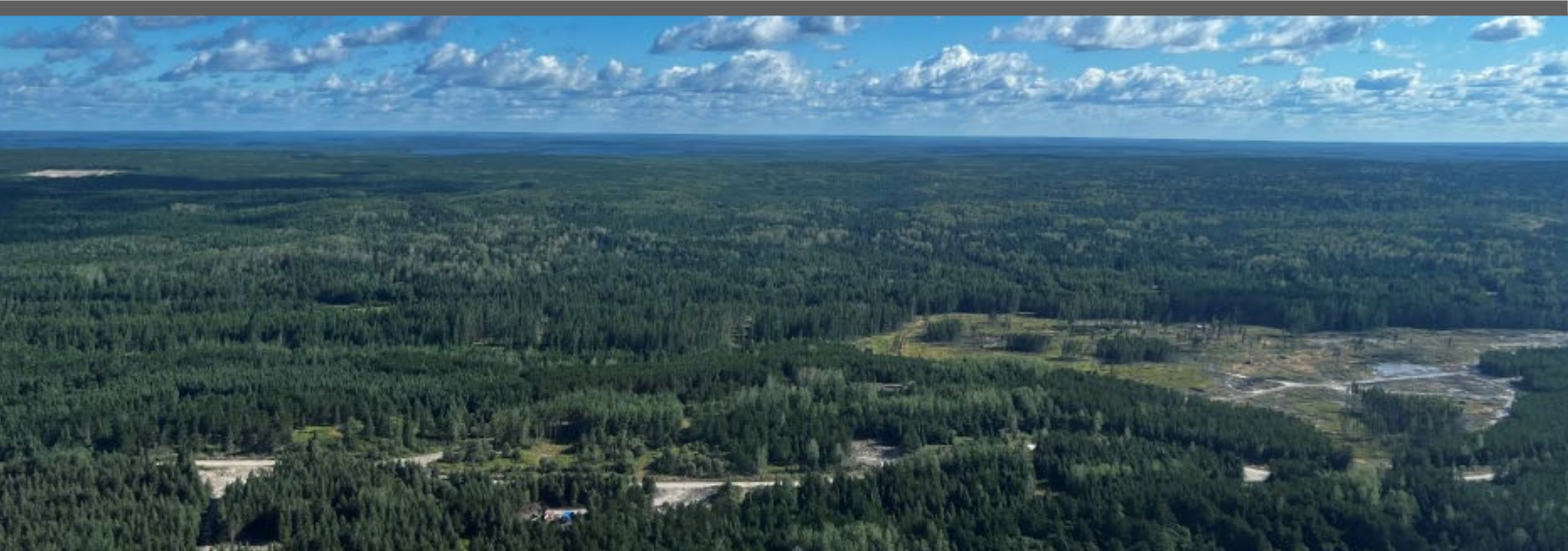


Great Bear

Great Bear Gold Project Impact Statement

Appendix G:

Night-time Light Baseline and Predictive Light Assessment



GREAT BEAR RESOURCES

GREAT BEAR PROJECT

NIGHT-TIME LIGHT LEVELS BASELINE AND PREDICTIVE ASSESSMENT

JULY 2025





GREAT BEAR PROJECT NIGHT-TIME LIGHT LEVELS BASELINE AND PREDICTIVE ASSESSMENT

GREAT BEAR RESOURCES

FINAL

PROJECT NO.: OMEMA2303
JULY 2025

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ABBREVIATIONS

cd	Candela, a measure of light intensity
CIE	Commission Internationale d'Éclairage (International Commission on Illumination), an international body for standards in illumination.
Great Bear Resources	Great Bear Resources Limited
HID	High Intensity Discharge
IA	Impact Assessment
IAAC	Impact Assessment Agency of Canada
IDA	International Dark-Sky Association
km	kilometres
LiDAR	Light Detection and Ranging
lm	Lumen
lux	Lumen per square metre
mag/arcsec ²	magnitudes per square arcsecond
NASA	National Aeronautics and Space Administration
NCEI	National Centers for Environmental Information
POR	Point of Reception
Project	Great Bear Project
TSD	Technical Support Document
UTM	Universal Transverse Mercator
VIIRS	Visibly Infrared Imaging Radiometer Suite
WSP	WSP Canada Inc.

GLOSSARY

Airglow	The luminescence of the upper atmosphere triggered by the absorption of daytime ultraviolet radiation by oxygen molecules which upon nightfall may undergo further reactions resulting in luminescence, a uniform glowing effect observable globally (EB 2015).
Astronomical Twilight	The time of night when sky illumination is so faint that most casual observers would regard the sky as fully dark, with the sun more than 18 degrees below the horizon (U.S. National Weather Service n.d.).
Aurora Borealis	When charged solar particles bombard the atmosphere, transfer energy to the atmospheric gases, and force the emission of light that results in glowing light observable in a band near the geomagnetic poles (EB 2015).
Candela	International System of Units unit of luminous intensity, approximately equal to the intensity of light emitted by one candle in all directions.
Celestial	Positioned in outer space.
Colour Temperature	A numerical value characterizing the colour or light, in units of Kelvin (K). Colour temperatures greater than 4000 K have a cooler blue hue such as hospital lighting. Lower colour temperatures, such as 2700 K, have a warmer hue such as candlelight or incandescent lighting.
Cutoff	Blocking of certain directions of light from a source to reduce light spill.
Environmental Lighting Zones	Classifications of ambient lighting defined by the International Commission on Illumination (CIE).
Glare	The uncomfortable sensation of seeing a light source which is much brighter than its surrounding, measured by its luminance in candela per m ² .
Illuminance	The density of light that falls upon a surface, measured in units of lux, lumen/ft ² , or footcandles. A light meter measures the density of light that falls upon the surface of its sensor.
Intrinsically Dark	A descriptor for landscapes, designated as E0 by the CIE, that are entirely, or largely, uninterrupted by artificial light (e.g., UNESCO Starlight Reserves, Dark Sky Parks).
Light Spill	Light that falls outside of the area intended to be lit.
Light Trespass	Unwanted light spill that is perceived by PORs outside of the area intended to be lit.
Line of Sight	A conceptual line that connects the area of interest to an observer (e.g., POR). Lines-of-sight (or lack thereof) can illustrate if there is an obstructed view with examples of obstructions including topography or vegetation between the area of interest and the observer.
Lit Centre	The centre of a lighting cluster (e.g., community) where surface radiance is highest.
Luminous Flux	The flow of light through space, measured in units of lumen (lm).
Lumen	SI unit of luminous flux emitted by a source.
Luminance	The measure of light that is travelling through, emitted from, or is reflected from a given area quantified in units of candela per m ² .
Luminescence	The emission of light as a result of a chemical reaction.

Lux	SI unit used to measure illuminance.
New Moon	The first lunar phase where the moon is not visible.
Nomogram	A graphical representation of several scales lined up such that one can determine the value on one scale from that on another.
Point of Reception	A location with human activity, which includes Indigenous traditional land uses. Locations susceptible to the adverse effects of light pollution. Typically, these are places with night-time occupancy, such as a residence.
Radiance	Emissions, or flux, of light.
Sky Glow	Brightness of the night sky, most noticeably above urban and industrial areas, in units of mag/arcsec ² .
Viewshed	The geographical area that is visible from a location.
Visibly Infrared Imaging Radiometer Suite	Satellite instrumentation that provides near real-time radiance imagery of the earth's surface.
Zenith	The point directly above a particular location.
Zenith Angle	Part of a sky glow measurement's location; the angle measured from the zenith (e.g., zenith = 0°, horizon = 90°).

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- A Baseline Sky Glow Data Summary Plots
- B Predictive Night-Time Light Trespass Assessment Calculations
- C Field Data

1 INTRODUCTION

1.1 OVERVIEW

Great Bear Resources Ltd. (Great Bear Resources) a wholly owned subsidiary of Kinross Gold Corporation, is planning to develop, operate, and reclaim a gold mine (the Great Bear Project or Project) on the Great Bear Property (the Property). The Project will consist of two open pits, underground mining activities, an onsite ore processing facility, and associated operations and administrative activities on the Property. The Property is located approximately 25 kilometres (km) southeast of the Municipality of Red Lake in northwestern Ontario (Figure 1-1).

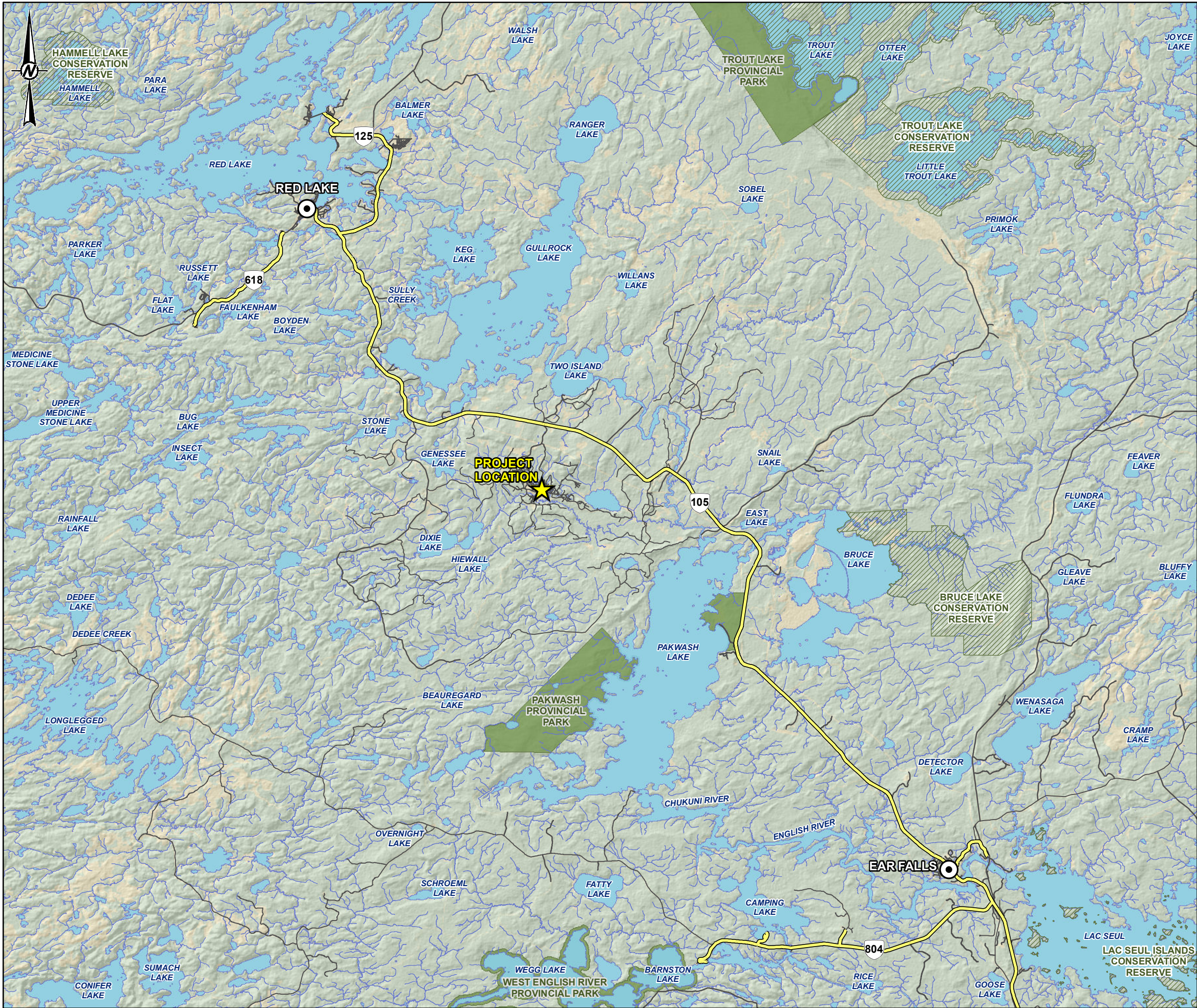
This *Night-time Light Levels Baseline and Predictive Assessment* has been prepared by WSP Canada Inc. (WSP) on behalf of Great Bear Resources to describe the existing environmental conditions and predicted environmental impacts of the Project. The report summarizes the:

- Baseline monitoring conducted from 2022 to 2024
- Predictive night-time light levels assessment for the Project.

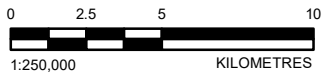
The scope of work included:

- Measurement of baseline night-time light levels (light trespass and sky glow) to reflect seasonal variability and differing weather conditions
- Description of types of light effects, sources, and points of reception (PORs)
- Description of reference light levels to compare against
- Description of the baseline measurement methodology
- Description of the predictive assessment methodology
- Prediction of night-time light levels at PORs
- Comparison of baseline and predicted night-time light levels to reference values
- Description of night-time light level mitigations and control, as applicable.

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- LEGEND**
- ★ PROJECT LOCATION
 - TOWN
 - ▨ CONSERVATION RESERVE
 - PROVINCIAL PARK
 - HIGHWAY
 - LOCAL ROAD
 - RESOURCE/ RECREATION ROAD
 - WATERCOURSE
 - WATERBODY



NOTE(S)
1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)
1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. WATERCOURSES AND WATERBODY ACQUIRED FROM LAND INFORMATION ONTARIO (MNR) AND MODIFIED TO MATCH AERIAL IMAGERY AND LIDAR.
3. ROADS INFORMATION PROVIDED BY KINROSS, AUGUST 2022.
4. COORDINATE SYSTEM: NAD 1983 UTM ZONE 15N

CLIENT
KINROSS GOLD CORPORATION

PROJECT
GREAT BEAR PROJECT

TITLE
PROJECT LOCATION

CONSULTANT	YYYY-MM-DD	2024-09-18
DESIGNED	---	
PREPARED	MD	
REVIEWED	---	
APPROVED	---	

PROJECT NO. OMEMA2303 CONTROL 0001 REV. A FIGURE 1-1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B 28mm

2 TYPES OF LIGHT EFFECTS

The effects of introduced artificial lighting are frequently described using three concepts: sky glow, light trespass, and glare.

2.1 SKY GLOW

Sky glow includes all stray light escaping above the horizontal plane into the atmosphere. The potential effect is readily seen approaching urban areas from the dark countryside at night as a brightening of the natural sky background level. It arises from light being projected above the horizontal plane where it is refracted, or scattered, by air, water molecules and atmospheric aerosols. Sky glow can impede visibility and enjoyment of the stars, hamper astronomical observations, and contribute to light trespass. Sky glow may be measured by a sky quality meter in units of mag/arcsec².

Night-time light conditions are also affected by the moon, planets, stars, and other celestial bodies, as well as by natural phenomena such as airglow and the aurora borealis.

Artificial light from satellites, especially those in high density low Earth orbit (e.g., satellite internet constellations) may also contribute to sky glow (Falchi et al. 2016).

2.2 LIGHT TRESPASS

Light trespass is unwanted light spill that is perceived by PORs outside of the area intended to be lit. An illuminance meter is used to measure light trespass in units of lux which represents the luminous power per square metre.

Discussions of illuminance and light spill also need to consider the relative brightness when compared with the existing conditions.

Potential for light trespass effects depend upon the characteristics of the artificial lighting such as height, colour, and luminance. The setback or separation distance of the PORs, and other attenuating factors such as local topography, trees, and other barriers (e.g., buildings, walls and berms), reduce the luminance of light trespass at a receptor.

2.3 GLARE

Glare is the often uncomfortable sensation caused by excessive brightness and is often accompanied by a perceived starring of the light source. An example of glare is the light from oncoming vehicle headlights on a dark roadway. Where many light sources are sited close together, light clutter may develop where the density and variety of light sources interfere with night vision.

3 POINTS OF RECEPTION

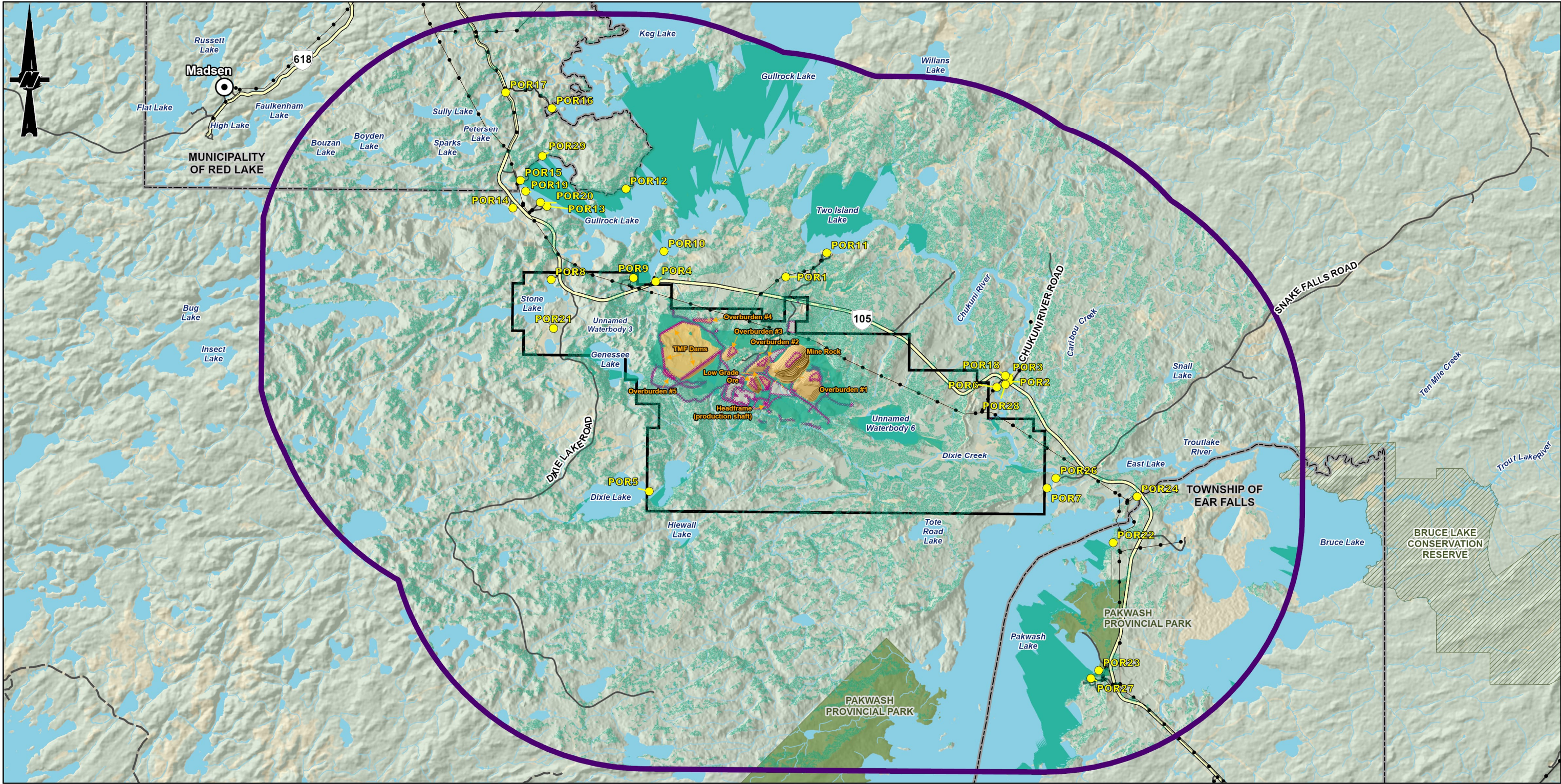
For the purposes of this assessment, a POR is defined as a location with known or potential for human residence within the viewshed analysis study area.

The PORs consist of residences, cottages, cabins, lodges, and camp sites identified through a review of the Ministry of Natural Resources Land Information Ontario geographic datasets (Government of Ontario, 2024) and investigations by Great Bear Resources. PORs 1 and 19 are not locations of known human residence but were assessed to be consistent with the noise assessment. PORs are depicted in Figure 3-1 and listed in Table 3-1.

The Property is located in northwestern Ontario. The nearest larger communities are the Municipality of Red Lake located about 25 km to the northwest cross country and the Township of Ear Falls, located 37 km to the southeast cross country.

The Project is also located within Treaty No. 3. No Project facilities will be located on or near First Nation Reserves. The closest Reserve lands are located the following distances away cross country: Wabauskang Reserve - 56 km; Asubpeeschoseewagong Netum Anishinabek Reserve - 77 km; and Lac Seul Reserve - 101 km. The Project is located within the Northwestern Ontario Métis Community (Region 1) area, in northwestern Ontario.

The PORs assessed would over-represent sky glow and light trespass contributions from the Project at any of the above-mentioned communities since they are located significantly farther from the Project.



LEGEND

- Property Boundary
- Town
- Conservation Reserve
- Provincial Park
- Highway
- Local Road
- Resource / Recreation Road
- Power Line
- Lower Tier Municipal Boundary
- Watercourse
- Waterbody
- Potential Points of Reception (labelled with ID)
- Viewshed Analysis Study Area
- Outward Looking Modelled Observer Points (top of mine site features)
- Modelled Mine Site Features (ultimate heights for stockpiles, headframe and dams)
- Viewshed Analysis Interpretation Key:**

Solid green areas indicate ground or water surface visual

Speckled green areas indicate forest canopy visual, not ground level visual

NOTE(S)
1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)
1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. COORDINATE SYSTEM: NAD 1983 UTM ZONE 15N

CLIENT
GREAT BEAR RESOURCES

PROJECT
GREAT BEAR PROJECT

TITLE
LIGHT RECEPTORS AND VIEWSHED ANALYSIS SUMMARY MAP

CONSULTANT	YYYY-MM-DD	2025-05-30
	DESIGNED	----
	PREPARED	KB
	REVIEWED	CV
	APPROVED	----

PROJECT NO. CA0031271	CONTROL 0001	REV. A	FIGURE 3-1
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Table 3-1: Point of Reception Locations

Point of Reception ID	Description	Predicted Line of Sight to Project Features	UTM Coordinates Zone 15U NAD-83 Datum	
			Northing	Easting
POR01	Storage Area	No	5639223	456965
POR02	Cabin/Residence	No	5635180	465624
POR03	Cabin/Residence	No	5635303	465611
POR04	Tourist Camp / Cabin(s) / Residence(s)	Yes	5639044	451915
POR05	Cabin	No	5630891	451671
POR06	Tourist Camp / Cabin(s) / Residence(s)	No	5634939	465139
POR07	Tourist Camp / Cabin(s) / Residence(s)	No	5631026	467085
POR08	Tourist Camp / Cabin(s) / Residence(s)	No	5639124	447866
POR09	Tourist Camp / Cabin(s) / Residence(s)	Yes	5639187	451051
POR10	Tourist Camp / Cabin(s) / Residence(s)	No	5640215	452237
POR11	Tourist Camp / Cabin(s) / Residence(s)	No	5640149	458555
POR12	Tourist Camp / Cabin(s) / Residence(s)	Yes	5642634	450762
POR13	Tourist Camp / Cabin(s) / Residence(s)	No	5641952	447708
POR14	Tourist Camp / Cabin(s) / Residence(s)	No	5641886	446385
POR15	Tourist Camp / Cabin(s) / Residence(s)	Yes	5642960	446675
POR16	Tourist Camp / Cabin(s) / Residence(s)	No	5645762	447897
POR17	Commercial Property / Residence(s)	No	5646375	446102
POR18	Tourist Camp / Cabin(s) / Residence(s)	No	5635383	465476
POR19	Vacant lot	No	5642540	446876
POR20	Tourist Camp / Cabin(s) / Residence(s)	No	5642109	447444
POR21	Commercial Property	No	5637216	447961
POR22	Tourist Camp / Cabin(s) / Residence(s)	Yes	5628897	469646
POR23	Campground	Yes	5623932	469091
POR24	Tourist Camp / Cabin(s) / Residence(s)	No	5630691	470572
POR25	Cabin/Residence	(1)	5614594	463047
POR26	Tourist Camp / Cabin(s) / Residence(s)	No	5631399	467430
POR27	Tourist Camp / Cabin(s) / Residence(s)	Yes	5623627	468788
POR28	Tourist Camp / Cabin(s) / Residence(s)	No	5635052	465478
POR29	Tourist Camp / Cabin(s) / Residence(s)	No	5643902	447525

Note:

1 POR25 on the south end of Pakwash Lake is outside of the viewshed study area so line-of-sight data is not available; POR27 which is closer to the Project and has a higher elevation can be used as a proxy for POR25 if needed.

4 NIGHT-TIME LIGHT REFERENCE LEVELS

In the absence of regulatory criteria for ambient light assessments, published guidelines are presented to support discussions of baseline light conditions and potential effects of introducing artificial lighting.

The Commission Internationale d'Éclairage (International Commission on Illumination; CIE) identifies five Environmental Lighting Zone classifications (Table 4-1), hereafter referred to as Lighting Zones. These CIE environmental lighting zones provide a useful framework for describing lighting environments.

4.1 SKY GLOW

The unit of measure for sky glow is the mag/arcsec² (higher values represent darker conditions), an inverted logarithmic scale that measures the brightness of the sky as perceived by the human eye. A difference of 1 magnitude is defined to be a factor of 100^{1/5} (~2.5) in received photons. Therefore, a sky brightness 5.0 mag/arcsec² fainter corresponds to a reduction in photon arrival rate of a factor of 100 (Unihedron 2021). Values for sky glow after dark range from approximately 22 mag/arcsec² in a rural undeveloped environment, where stars are visually abundant, to approximately 17 mag/arcsec² in an urban environment, where only the brightest stars can be seen (i.e., the higher the sky glow value the darker the conditions). Illuminance (lux) is used as a secondary measure of sky glow. Reference levels of sky glow and measured ambient light levels to corresponding scales and appearance of the sky are presented in Table 4-2. The surface brightness and illuminance presented for each Lighting Zone are intended for illustrative purposes, are not definitive, and are not intended to allow for conversion between units and scales. This summary draws from two classification systems used to characterize ambient nighttime light conditions:

- Bortle Scale: introduced in 2001, which created nine qualitative classes of sky darkness linked to detailed descriptions of what celestial details were visible with the naked eye or with certain equipment. The ranges of sky quality meter measurements corresponding to each of the nine classes were based on a nomogram (Spoelstra 2002).
 - *Guide on the Limitation of the Effects of Obtrusive Light from Outdoor Lighting Installations* (2nd Edition; CIE 2017): maximum values correspond to five Lighting Zones, E0 to E4. In the 2017 version of the Guide, the E1 Lighting Zone was split into E1 and E0 with E0 Lighting Zones for areas with especially dark sky such as designated Dark Sky Preserves (e.g., Killarney Provincial Park).
-

4.2 LIGHT TRESPASS

The CIE established limits for light trespass which are used in this assessment as reference levels for discussion of potential light effects on PORs. The values represent CIE's recommendations for maximum light trespass at dwellings, or potential dwellings, from artificial lighting installations.

There are limiting values for pre- and post-curfew for each of the five Environmental Lighting Zones that provide an allowance based on the existing levels of lighting in the area. The pre-curfew reference levels are higher values that apply before a curfew hour set by the controlling authority. Pre-curfew limiting values are less restrictive. Post-curfew values generally apply to the hours of 23:00 to 6:00 and are more restrictive such that the spill light at these times will not be obtrusive to the PORs. The CIE recommended limits for pre- and post-curfew are presented in Table 4-3 with post-curfew values being used for this night-time light assessment.

Table 4-1: CIE Environmental Lighting Zones

Lighting Zone	Lighting Environment	Examples
E0	Intrinsically dark	UNESCO Starlight Reserves, IDA Dark Sky Parks, and major optical observatories
E1	Dark	Relatively uninhabited rural areas
E2	Low district brightness	Sparsely inhabited rural areas
E3	Medium district brightness	Well inhabited rural and urban settlements
E4	High district brightness	Town and city centres and commercial areas

Note:
CIE 2017.

Table 4-2: Sky Glow Reference Levels

Bottle Class	CIE Lighting Zone	Sky Brightness (mag/arcsec ²)	Recommended Maximum Illuminance in the Vertical Plane (lux)	Sky Description	Milky Way	Night-time Conditions
1	E0	>21.90	0	Excellent, truly dark-skies, UNESCO Starlight Reserves	Milky Way shows great detail and light from the Scorpio / Sagittarius region and casts obvious shadows on the ground	By convention, this is assumed to be the average brightness of a moonless night sky that is completely free of artificial light pollution, i.e., natural background. The Milky Way and abundant stars would be readily visible. The brightness of Jupiter and Venus is annoying to night vision. Ground objects are barely lit, and trees and hills are dark.
2	E1	21.50 to 21.90	0-1	Typical, truly dark skies	Summer Milky Way shows great detail and has veined appearance	Ground is mostly dark, but objects projecting into the sky are discernible.
3	E2	21.30 to 21.49	1-5	Rural sky	Milky Way still appears complex, dark voids and bright patches and meandering outline are all visible	Some light pollution evident along the horizon. Ground objects are vaguely apparent. Natural starlit night. Clear rural night sky with no moon.
4		20.15 to 21.29		Rural / suburban transition	Only well above the horizon does the Milky Way reveal any structure. Fine details are lost	Light pollution domes are obvious in several directions. Sky is noticeably brighter than the terrain. This is typical for a rural area with a medium-sized city not far away.
5	E3	19.10 to 20.14	2-10	Suburban sky	Milky Way appears washed out overhead and is lost completely near the horizon	Light pollution domes are obvious to casual observers. Ground objects are partly lit. This is typical for the outer suburbs of a major city.
6		18.50 to 19.09		Bright, suburban sky	Milky Way only apparent overhead and appears broken as parts are lost to sky glow	Sky from horizon to 35 degrees glows with grayish color. Ground is well lit. Typical for a suburb with widely spaced single-family homes; also characteristic of twilight where the sun has set but the brightest stars are visible.

Bortle Class	CIE Lighting Zone	Sky Brightness (mag/arcsec ²)	Recommended Maximum Illuminance in the Vertical Plane (lux)	Sky Description	Milky Way	Night-time Conditions
7	E4	18.01 to 18.49	2-10	Suburban / urban transition	Milky Way is completely invisible or nearly so	Entire sky background appears washed out, with a grayish or yellow color. Bright suburb or dark urban neighborhood. Also representative of the sky glow directly overhead at a rural site when the Moon is full. The Milky Way is invisible, or nearly so.
8		<18.00	5-25	City sky	Not visible	Entire sky background has an orange glow and it is bright enough to read at night.
9				Inner city sky	Not visible	Entire sky background has a bright glow, even at the zenith. Typical near the centre of a major city such as Toronto or Montreal.

Note:

Table adapted from multiple sources: City of Toronto 2017; IDA 2016; Bortle 2001; CIE 2017; Hänel, A. et al. 2018; Spoelstra 2002; Flanders 2008, CIE does not provide quantitative descriptions of sky glow for Lighting Zones, their values are provided as an approximate reference only.

Table 4-3: CIE Recommendations for Maximum Light Trespass at Points of Reception

Light Technical Parameter	Application Conditions	Environmental Lighting Zones				
		E0	E1	E2	E3	E4
Illuminance in the vertical plane	Pre-curfew	N/A	2 lux	5 lux	10 lux	25 lux
	Post-curfew	N/A	< 0.1 lux ⁽¹⁾	1 lux	2 lux	5 lux

Note:

1 If the installation is for public (road) lighting then this value may be up to 1 lux. Limits published in CIE 2017.

5 METHODOLOGY

5.1 BASELINE ASSESSMENT

The baseline, or pre-development, light assessment establishes existing sky glow and light trespass conditions. For the Project, and in the absence of anthropogenic light sources, this was accomplished using measurements taken at the Project, publicly available information sources, and the light condition classifications published by the CIE.

The methodology used to establish existing conditions for sky glow, light trespass and glare are described below.

5.1.1 MONITORING LOCATIONS AND NOTES

Four monitoring locations were selected for the baseline study. They were selected in such a way to encompass the proposed development area while also permitting ease of access to the trained field technicians in all seasons. Great Bear Resources field technicians performed the field sampling.

The following criteria were used for monitoring location selection:

- Must have safe vehicular access for technicians at night in all four seasons
- The locations should be selected to encompass the proposed mining features for representative data
- Consideration given to the location of sensitive receptors (e.g., nearby hunting camp); considering safe and consistent access, proxy locations may be used
- Must be sited in such a way to minimize interference from local light sources (houses, existing facility lights not representative of original baseline conditions).

The monitoring location details are shown in Table 5-1 and Figure 5-1. A summary of the sampling event dates and times is shown in Table 5-2.

5.1.2 SKY GLOW

Sky glow measurements proximate to the Project were taken using a Unihedron SQM-LU-DL-V Sky Quality Meter (Unihedron 2022). A sky quality meter measures the amount of light striking the sensor and converts this into units of magnitudes per square arc-second (mag/arcsec^2) measuring sky brightness over a prescribed arc. The datalogging feature allowed the sky quality meter to combine vector data from a built-in altitude and azimuth sensor with sky brightness to generate a contour plot of sky brightness (as well as logging the individual readings that make up the plot).

Onsite sky quality measurements were taken throughout the year to reflect seasonal and weather variability, though in general, measurement dates and times are selected to limit variability (e.g., clear skies at the darkest part of night before moonrise). Night-time measurements were taken at the locations noted in Table 6-1.

To supplement the onsite measurements, satellite data from the National Centers for Environmental Information (NCEI) and the National Aeronautics and Space Administration (NASA) was collected. Visibly Infrared Imaging Radiometer Suites (VIIRS) aboard two joint satellites provide near real-time measurements of radiance from the earth's surface.

The 2015 VIIRS dataset was used to approximate zenith sky brightness (i.e., sky glow) (Stare 2021) which included assumptions of celestial background brightness (Falchi et al. 2016); while there are more recent VIIRS datasets, researchers have only approximated zenith sky brightness with the 2015 dataset. As year-over-year radiance does not typically change significantly (as indicated by a year-over-year review of the imagery), the 2015 sky brightness dataset was used as an indication of sky glow with the more recent radiance data qualifying this assumption.

5.1.3 LIGHT TRESPASS

Light trespass measurements proximate to the Project were taken using a Sonel LXP-2 Illuminance Meter.

Night-time measurements were taken at the locations noted in Table 5-1. The sensor was pointed towards the proposed Project for light trespass and towards the zenith to take a secondary measurement of sky glow.

Onsite sky glow measurements were taken throughout the year to reflect seasonal and weather variability, though in general, measurement dates and times are selected to limit variability (e.g., clear skies at the darkest part of night before moonrise).

Light trespass measurements were compared against the CIE recommendations for illuminance (Table 4-3).

5.1.4 GLARE

There were significant sources of glare noted in the direction of the Project to measure. Due to the separation distances between the PORs and the light sources, there is very limited potential for glare. The assessment of light trespass will also serve to prevent glare effects and no quantitative consideration is given to glare in this assessment.

5.2 PREDICTIVE ASSESSMENTS

Predictive assessments were conducted for both light trespass and sky glow.

5.2.1 LIGHT TRESPASS

A predictive light assessment considering attenuation by distance and viewshed was completed to inform whether there are PORs located where there is the potential for trespass exceeding CIE recommendations.

The assessment considered light sources that would reasonably be required during the construction, operations, and decommissioning / closure phases to allow for safe work to continue following sunset. Light emissions during the construction and closure phases are anticipated to vary according to construction equipment requirements and are expected to be lower than those during the operations phase.

LIGHT ATTENUATION ASSESSMENT

To provide a quantitative estimate of illuminance at the PORs, the inverse-square law was employed. The inverse-square law states that the intensity of a physical quantity dilutes with distance as a geometric necessity and is described by the formula:

$$B_{\text{density of physical quantity at distance "d"}} = \frac{\phi_{\text{flux of the physical quantity}}}{d_{\text{distance between source and receptor}}^2} \quad (\text{Equation 5-1})$$

In the context of light, ϕ is the output (lumens) of the light source and B is the illuminance (lux) at the receptor.

For each source at the Project, the total wattage of lighting was summed based on estimations or manufacturer's specifications where available. Each source's luminous flux was calculated from wattages to lumens utilizing the luminous efficacy published by the United States Department of Energy (2017) for comparable lighting types. Luminous efficacy considers the sensitivity of the human eye to the wavelength of light produced.

The estimation method conservatively assumes that there are no atmospheric attenuating factors (e.g., aerosols) between sources and receptors.

VIEWSHED ASSESSMENT

In addition to assessing the unimpeded illuminance that might be experienced by a POR, line of sight to Project lighting was considered. For the Project, line of sight was determined with a viewshed analysis (under separate cover) that was established using LiDAR data which considers topography of the surrounding terrain and other attenuating factors (e.g., vegetation). Viewshed modelling (under separate cover) was completed using the ESRI ArcGIS Desktop Advanced Spatial Analysis Extension and a digital elevation model, assuming no diffraction.

5.2.2 SKY GLOW

The Garstang (1986) predictive sky glow model was used to estimate predictive sky glow. This sky glow model predicts night-sky brightness caused by a city or large industrial facility. It considers molecular and aerosol scattering, as well as reflectivity of the ground and fraction of light radiated above the horizontal plane.

Sky glow was predicted at the PORs. Existing sky glow was estimated at each POR by taking the baseline sky glow value from the monitoring location closest to each receptor. Sky glow was predicted for both winter and summer seasons, using applicable surface reflectivity for the summer and winter baseline data respectively. The sky glow contribution was predicted for each source group (see Section 6.2.1), the sky glow contribution was then summed at each receptor. Bare ground (summer) was assumed to reflect 10% of incident light while snow covered (winter) ground was assumed to reflect 65% of incident light.

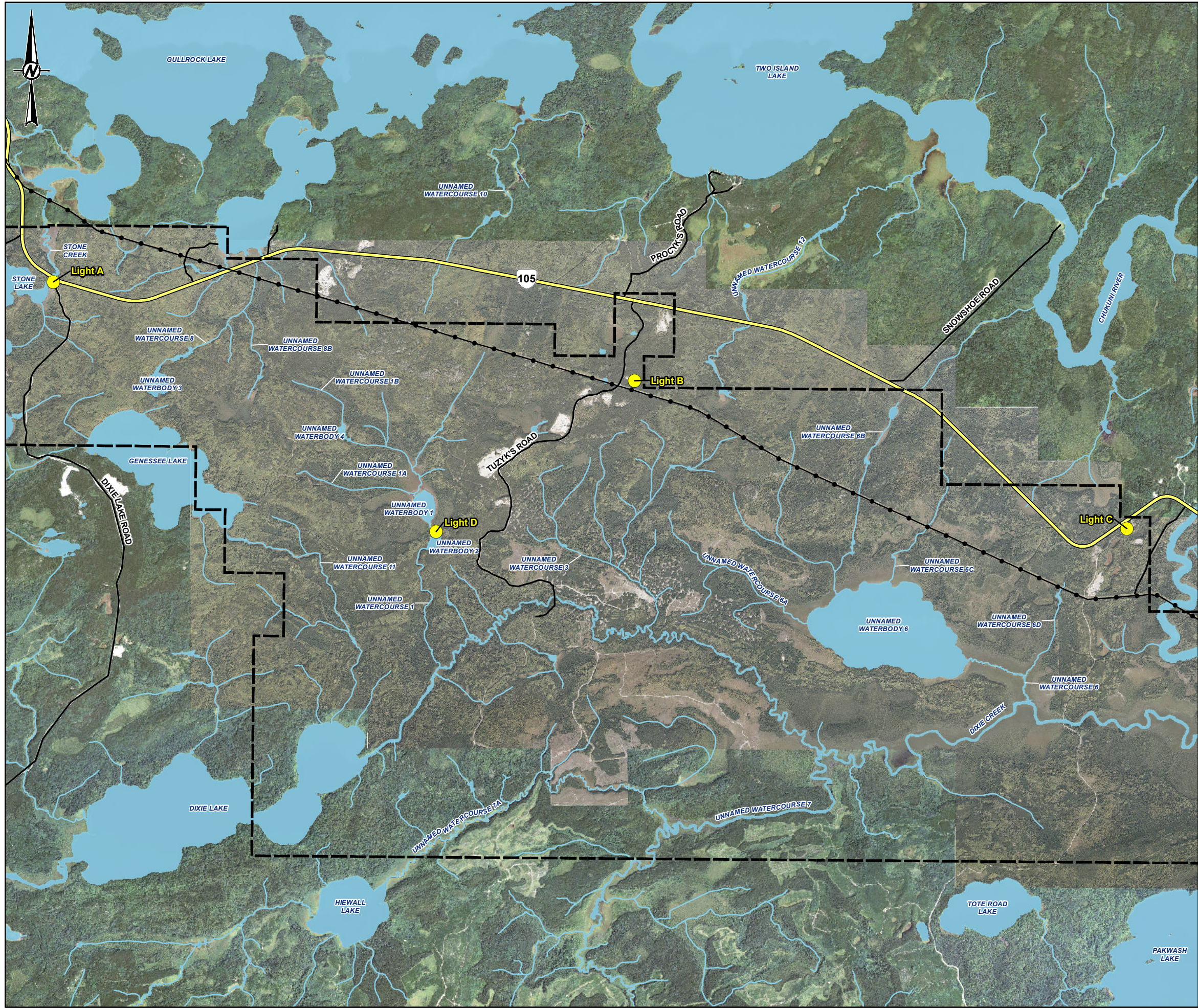
Table 5-1: Baseline Light Monitoring Locations

ID	Field ID	UTM Coordinates (Zone 15U)		Description
		Northing	Easting	
Light A	Dixie	5638586	448650	Near intersection of Dixie Lake Road and Highway 105
Light B	Tuzyk	5637132	457214	Lay-down adjacent to Tuzyk's Road
Light C	Tote	5634929	464438	The Pulp Load Check Area near Tote Road
Light D	Teardrop	5634901	454286	Near air monitoring Station 3

Table 5-2: Light Sampling Summary

Date (Local Time)	Measurement Start Time (Local)	Measurement End Time (Local)	Moonset	Cloud Cover	Field Notes
Night of 26 September 2022	2022-09-26 22:02	2022-08-29 23:34	2022-09-26 19:49	Clear	Intermittent vehicular traffic visible
Night of 19 November 2022	2022-11-19 18:40	2022-11-19 20:48	2022-11-19 14:47	Clear	Milky Way and Jupiter visible, could walk around unaided
Night of 24 February 2023	2023-02-24 19:32	2023-02-24 20:48	2023-02-24 10:33	Few clouds, clearing	Some moon visible
Night of 20 March 2023	2023-03-20 20:59	2023-03-20 22:23	2023-03-20 18:11	Clear	No Notes
Night of 19 May 2023	2023-05-19 23:18	2023-05-20 0:57	2023-05-19 21:41	Clear	Aurora visible
Morning of 20 June 2023	2023-06-20 0:29	2023-06-20 1:45	2023-06-19 23:30	Clear	Fireflies visible
Night of 18 July 2023	2023-07-18 23:39	2023-07-19 0:52	2023-07-18 22:29	1/4	Stars visible
Night of 14 August 2023	2023-08-14 22:36	2023-08-15 0:01	2023-08-14 20:34	Clear	Stars visible
Night of 12 September 2023	2023-09-12 21:39	2023-09-12 23:11	2023-09-12 19:18	Clear	Stars visible, faint aurora visible
Night of 15 October 2023	2023-10-15 20:34	2023-10-15 23:04	2023-10-15 18:36	Clear	Stars visible
Night of 15 November 2023	2023-11-15 18:38	2023-11-15 20:07	2023-11-15 17:29	Clear	No Notes
Night of 14 December 2023	2023-12-14 18:24	2023-12-14 19:50	2023-12-14 18:53	Clear	No Notes
Night of 8 March 2024	2024-03-08 20:16	2024-03-08 21:03	2024-03-08 15:49	Clear to 1/4	No Notes
Night of 6 April 2024	2024-04-06 22:07	2024-04-06 23:23	2024-04-06 17:18	1/8	No Notes
Night of 6 May 2024	2024-05-06 23:02	2024-05-07 0:23	2024-05-06 19:16	Clear	No Notes

R:\TH\X\CACACOM\300-CAK\MIS-F51-Project\2023\Projects\OMEMA2303_Kinross_Great_Bear_Enviz_GIS\Aerial\Light_Monitoring_Loc_1.mxd PRINTED ON: 2024-09-13 AT: 3:24:52 PM



LEGEND

- PROPERTY BOUNDARY
- LIGHT MONITORING LOCATION
- HIGHWAY
- LOCAL ROAD
- EXISTING TRANSMISSION LINE
- WATERCOURSE
- WATERBODY

0 0.5 1 2
1:57,000 KILOMETRES

NOTE(S)

1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. AERIAL IMAGERY PROVIDED BY KINROSS (SCENE DATE: SEPTEMBER 2022).
3. PROPERTY BOUNDARY PROVIDED BY KINROSS, AUGUST 2024.
4. ROADS INFORMATION PROVIDED BY KINROSS, AUGUST 2022.
5. COORDINATE SYSTEM: NAD 1983 UTM ZONE 15N

CLIENT
KINROSS GOLD CORPORATION

PROJECT
GREAT BEAR PROJECT

TITLE
LIGHT MONITORING LOCATIONS

CONSULTANT	YYYY-MM-DD	2024-09-13
	DESIGNED	----
	PREPARED	MD
	REVIEWED	----
	APPROVED	----

PROJECT NO.
OMEMA2303

CONTROL
0001

REV.
A

FIGURE
5-1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
28mm

6 RESULTS AND DISCUSSION

6.1 BASELINE ASSESSMENT

The baseline light assessment defines existing conditions of sky glow and light trespass prior to the start of construction for the Project and are summarized in Table 6-1 through Table 6-5. The existing conditions include limited infrastructure at the site with no substantial buildings or lighting.

6.1.1 SKY GLOW

Sources near the Project that may cause appreciable sky glow include the communities of Red Lake and Ear Falls.

The average brightness was measured at four locations across 15 different sampling events over a two-year period. The average brightness across all sampling events was determined to be 21.2 mag/arcsec² in the 0 to 30-degree zenith angle; fine particulate matter from nearby wildfires may have had an effect on the measurements for the summer of 2022. The sampling event in May 2023 was omitted from the statistical calculations because of the possible aurora borealis presence. Figures 6-1 to 6-4 depict the composite sky glow plots for each measurement location and results are summarized Table 6-1 to Table 6-4.

Based on the sky brightness model of the VIIRS surface radiance data, the Municipality of Red Lake may cause some sky glow near the Project, especially at the northern parts of the Property.

As a reference and based on VIIRS data, Table 6-6 provides the distance from the lit centre of the identified communities before sky glow levels representative of various Lighting Zones are achieved (e.g., the surface radiance measured at Red Lake suggests that the darkest Lighting Zone is not achieved until you have traveled more than 15 km from its lit centre). Sky brightness models based on the VIIRS surface radiance data do not predict sky glow at the Project brighter than an E0 Lighting Zone; however, non-zero surface radiance is measured at the Project.

Based on the VIIRS data, onsite measurements, and visual descriptions of the night-time conditions, the measured sky brightness is dependent on season and generally expected to be towards the darker end of the E2 (20.15 - 21.49 mag/arcsec²) lighting zones.

See Appendix A for data summary plots and Appendix C for the field data.

6.1.2 LIGHT TRESPASS

Measurements taken at each location (Figure 5-1) did not measure maximum illuminance greater than 0.01 lux on the vertical plane in the direction of the Property, with the exception of measurements at location Light B during the May 2023 event (possible aurora borealis influence), see Table 6-7.

Light trespass levels were similar to an E1 Lighting Zone. See Appendix C for the field data.

6.2 PREDICTIVE ASSESSMENT

6.2.1 IDENTIFICATION OF PROJECT LIGHT SOURCES

The construction phase activities of the Project are expected to be transient and to predominantly proceed on a day shift. Therefore, no assessment of night-time light levels was undertaken. Further, lighting for the operations phase is expected to be a reasonable surrogate for construction phase lighting.

For the operations phase, the assessment considered the types of lighting for the mine and the major site features requiring artificial lighting for night-time activity as summarized in Table 6-7 noting both day and night shifts are projected for the operations phase.

An inventory of lighting was developed for the purposes of describing expected night-time illumination levels for this assessment. The inventory is based on the anticipated mining fleet and considers lighting requirements at other comparable mining projects in northern Ontario. As a quantitative assessment, sources of light were grouped, the total lighting output of each group estimated (Appendix B, Table B1), and the distance between source groups and PORs determined (Appendix B, Table B2).

6.2.2 *PREDICTIVE SKY GLOW RESULTS*

The predictive sky glow results can be found in Table 6-8. Existing and predictive sky glow values are provided at each POR for both summer and winter seasons for the 45-degree zenith angle. In this assessment, the summer season is taken to be no snow cover, whereas the winter season has snow cover.

Depending on the POR location, the difference between existing and cumulative sky glow was typically within the difference between baseline measurements between sampling events and sampling locations. Generally, the closer PORs are to the Project the greater the change in sky glow that can be expected.

6.2.3 *PREDICTIVE LIGHT TRESPASS RESULTS*

A viewshed analysis undertaken for the Project which was used to identify which PORs (Figure 3-1) are predicted to have full attenuation due to obstructed sight-lines. Based on the viewshed analysis, seven PORs were predicted to have potential line of sight to the light sources within the Property (see Table 3-1, Appendix B, Table B3). The solid green areas in Figure 3-1 indicate ground of water surface visuals of Project elements.

Generally, the mine rock stockpile, the overburden stockpiles, low-grade stockpiles, and the headframe were Project features with ultimate heights most at risk of facilitating light sources with line of sight to PORs (see the Visual Assessment renderings under separate cover).

For those PORs with line of sight, the unattenuated gross illuminance was determined, with the following as an example calculation.

Sample Calculation of Illuminance at the POR09 from lighting at Overburden Stockpile #4

The following representative equipment, and corresponding lumens for each type of light sources, were considered in the evaluation of illuminance:

- 2 x mobile floodlight (4 fixtures x 70,356 lumens per fixture x 25% of light pointed at POR) = 140,712 lumens
- 1 x CAT D10T track dozer (8 lights/dozer x 65-watt high intensity discharge lights x 104 lumens/watt x 50% of vehicle pointed at POR) = 27,040 lumens
- 1 x CAT 16M motor grader (8 lights/grader x 65-watt high intensity discharge lights x 104 lumens/watt x 50% of vehicle pointed at POR) = 27,040 lumens
- 2 x light-duty pickup trucks (2 lights/truck x 55-watt high intensity discharge lights x 104 lumens per watt x 50% of vehicles pointed at POR) = 11,440 lumens
- 1 x CAT D8 track dozer (4 lights/dozer x 65-watt high intensity discharge lights x 104 lumens/watt x 50% of vehicle pointed at POR) = 13,520 lumens
- 1 x CAT D6 track dozers (4 lights/dozer x 65-watt high intensity discharge lights x 100 lumens/watt x 50% of vehicle pointed at POR) = 13,000 lumens
- 1 x CAT 336 excavator (4 lights/excavator x 65-watt high intensity discharge lights x 100 lumens/watt x 50% of vehicle pointed at POR) = 13,000 lumens

- 1 x CAT 740 EJ articulated truck (6 lights/truck x 55-watt high intensity discharge lights x 104 lumens per watt x 50% of vehicles pointed at POR) = 17,160 lumens
- 1 x 50-tonne trucks (2 lights/truck x 55-watt high intensity discharge lights x 104 lumens per watt x 50% of vehicles pointed at POR) = 5,720 lumens
- 1 x CAT 777F haul trucks (8 lights/truck x 65-watt halogen x 20 lumens/watt x 50% of vehicle pointed at POR) = 5,200 lumens
- 1 x CAT 785 haul trucks (8 lights/truck x 65-watt LED A19 x 100 lumens/watt x 50% of vehicle pointed at POR) = 26,000 lumens
- 1 x CAT 993 front-end loader (4 lights/truck x 65-watt halogen x 20 lumens/watt x 50% of vehicle pointed at POR) = 2,600 lumens
- 1 x CAT 996 front-end loader (4 lights/truck x 65-watt halogen x 20 lumens/watt x 50% of vehicle pointed at POR) = 2,600 lumens
- 1 x T880 snow plow (2 lights/truck x 55-watt high intensity discharge lights x 104 lumens per watt x 50% of vehicles pointed at POR) = 5,720 lumens

$$\begin{aligned}
 \text{Total Lighting Output of Group} &= 140,712 + 27,040 + 27,040 + 11,440 + 13,520 + 13,000 + 13,000 + \\
 &17,160 + 5,720 + 5,200 + 26,000 + 2,600 + 2,600 + 5,720 \\
 &= 310,752 \text{ lumens}
 \end{aligned}$$

It was conservatively assumed that 50% of all vehicle light sources are pointing directly toward the respective PORs, and that any topographical variation between source and receptor would make a negligible difference in the calculation of gross illuminance according to Equation 5-1.

$$\begin{aligned}
 \text{Gross Illuminance at receptor (lux)} &= \text{Total Light Output (lumens)} / (\text{distance between source and receptor})^2 \\
 &= 310,752 \text{ lumens} / 3,081 \text{ metres}^2 \\
 &= 0.034 \text{ lux}
 \end{aligned}$$

This calculation is repeated for each combination of source groupings and receptor, taking into consideration whether each respective POR has line of sight to a particular Project component (Table 6-9). At each POR, the total illuminance, in lux, was determined by summing the contributions from each light grouping. The total illuminance represents a conservative approximation of the unattenuated illuminance for each receptor (Appendix B, Table B3).

Based on this assessment all PORs had sufficient setback such that the total illuminance is less than the maximum recommended vertical illuminance by CIE for their general lighting zones without atmospheric attenuation or mitigation.

Table 6-1: Baseline Sky Brightness (0 to 30 degree zenith)

ID	Mean Brightness (mag/arcsec²) ⁽¹⁾	Estimated CIE Lighting Zone (Lighting Environment)
Light A - Dixie	21.2	E2 (low district brightness)
Light B - Tuzyk	21.2	E2 (low district brightness)
Light C - Tote	21.0	E2 (low district brightness)
Light D - Teardrop	21.1	E2 (low district brightness)

Notes:

1 Excludes possible aurora borealis event in May 2023.

Table 6-2: Baseline Sky Brightness – Seasonal (0 to 30 degree zenith)

Season ⁽¹⁾	Mean Brightness (mag/arcsec²) ⁽²⁾	Estimated CIE Lighting Zone (Lighting Environment)
Winter	20.7	E2 (low district brightness)
Spring	21.4	E2 (low district brightness)
Summer	21.4	E2 (low district brightness)
Fall	21.1	E2 (low district brightness)

Notes:

1 Meteorological seasons were used.

2 Excludes possible aurora borealis event in May 2023.

Table 6-3: Baseline Sky Brightness – Ground Cover (0 to 30 degree zenith)

Ground Cover ⁽¹⁾	Mean Brightness (mag/arcsec²) ⁽²⁾	Estimated CIE Lighting Zone (Lighting Environment)
Snow Covered Ground	21.1	E2 (low district brightness)
Bare Ground	21.3	E2 (low district brightness)

Notes:

1 Snow data obtained from EAR FALLS (AUT) 6012199 (ECCC).

2 Excludes possible aurora borealis event in May 2023.

Table 6-4: Monitoring Event Summary

Event	Mean Brightness (mag/arcsec ²) (0 to 30 degree zenith)					Estimated CIE Lighting Zone
	Light A	Light B	Light C	Light D	Total	
September 2022	20.2	—	21.0	20.9	20.2	E2
November 2022	21.1	21.1	21.2	21.1	21.1	E2
February 2023	20.3	20.7	20.4	19.5	20.3	E3
March 2023	21.2	21.3	21.1	21.2	21.2	E2
May 2023 ⁽¹⁾	18.1	19.1	18.7	18.9	18.1	E3 ⁽¹⁾
June 2023	—	—	—	21.9	—	E1
July 2023	21.4	21.2	21.0	—	21.4	E2
August 2023	—	21.5	21.4	21.5	—	E2
September 2023	—	20.4	—	—	—	E2
October 2023	—	21.2	21.2	21.2	—	E2
November 2023	21.2	21.1	21.2	21.2	21.2	E2
December 2023	21.3	21.3	21.2	21.2	21.3	E2
March 2024	21.3	21.4	—	21.3	21.3	E2
April 2024	—	21.3	21.3	21.5	—	E2
May 2024	21.7	21.8	21.5	21.7	21.7	E1

Note:

1 May 2023 Measurements potentially influenced by aurora borealis, these values were excluded from statistical calculations.

Table 6-5: Photometer Reading Summary (Illuminance)

ID	Average Zenith Photometer Sky Glow Reading (lux)	Maximum Zenith Photometer Sky Glow Reading (lux)	Maximum Photometer Reading Facing Property (lux)
Light A - Dixie	0.003	0.084	0.01
Light B - Tuzyk	0.004	0.28	0.02
Light C - Tote	0.006	0.26	0.01
Light D - Teardrop	0.004	0.16	0.01

Table 6-6: Baseline Sky Glow at Local Communities based on VIIRS Data

Location	Estimated Population	Estimated Area Surrounding Lit Centre of Community that Corresponds to an Environmental Lighting Zone				
		E0 >21.90 mag/arcsec ²	E1 21.50 to 21.90 mag/arcsec ²	E2 20.15 to 21.49 mag/arcsec ²	E3 18.50 to 20.14 mag/arcsec ²	E4 <18.50 mag/arcsec ²
Reference Communities						
Ear Falls	<1,000	> 7 km	2.5 to 7 km	< 2.5 km	N/A	N/A
Municipality of Red Lake	>4,000	> 15 km	7 to 15 km	< 7 km	N/A	N/A

Notes:

Stare (2021).

N/A – Not Applicable - 2015 Visibly Infrared Imaging Radiometer Suites (VIIRS) data does not indicate the community gets this bright.

The mag/arcsec² range for each Environmental Lighting Zone are approximate.

VIIRS data primer (Falchi et al. 2016).

Table 6-7: Light Sources (Stationary and Mobile)

Site Feature	Source Type
Tailings Management Facility and Dams	Light Plant
	Pole Mount Light
	Grader
	Haul Truck
	Articulated Truck
	Water Truck / Sand Truck / Service Truck
	Light Vehicle
	Drill
	Ambulance
	Front End Loader
	Dozer
	Excavator
	Rock Crusher
LP Central Pit	Light Plant
	Dozer
	Grader
	Loader
	Light Vehicle
	Excavator
	Haul Truck
	Articulated Truck
	Water Truck / Sand Truck / Service Truck
	Shovel
	Drill
	Rock Crusher
Mine Rock Stockpile., Overburden Stockpiles (1-5)., Low Grade Ore Stockpile (1-2)	Light Plant
	Dozer
	Grader
	Loader
	Water Truck
	Light Vehicle
	Articulated Truck
	Excavator
	Haul truck
Camp	Pole Mount Light
	Light Vehicle

Site Feature	Source Type
	Bus
	Ambulance / Fire Truck
	Skid Steer
	Water
Entrance	Pole Mount Light
	Light Vehicle
Chukuni River Pump	Pole Mount Light
Headframe	Pole Mount Lights
Various (Roads, Processing Plant, Other)	Pole Mount Lights
	Haul Truck
	Track Dozer
	Bus
	Light Vehicle
	Water Truck / Sand Truck / Service Truck
	Skid Steer
	Forklift
	Crane
	Dozer
	Grader
	Flatbed Truck

Notes:

A detailed breakdown is provided in Appendix B, Table B1.

Table 6-8: Predicted Sky Glow Results

ID	Location	Summer (Bare Ground)		Winter (Snow Covered Ground)	
	Representative Measurement Location	Baseline Sky Glow Value (mag/arcsec ²) ⁽¹⁾	Predicted Sky Glow Value (mag/arcsec ²) ⁽¹⁾	Baseline Sky Glow Value (mag/arcsec ²) ⁽¹⁾	Predicted Sky Glow Value (mag/arcsec ²) ⁽¹⁾
POR01	Light B	20.7	20.1	19.8	18.8
POR02	Light C	20.4	20.3	20.6	20.2
POR03	Light C	20.4	20.3	20.6	20.2
POR04	Light A	20.8	20.3	20.5	19.3
POR05	Light D	20.7	20.4	20.0	19.4
POR06	Light C	20.4	20.3	20.6	20.1
POR07	Light C	20.4	20.3	20.6	20.3
POR08	Light A	20.8	20.6	20.5	20.0
POR09	Light A	20.8	20.4	20.5	19.5
POR10	Light A	20.8	20.4	20.5	19.5
POR11	Light B	20.7	20.3	19.8	19.2
POR12	Light A	20.8	20.6	20.5	20.1
POR13	Light A	20.8	20.7	20.5	20.2
POR14	Light A	20.8	20.7	20.5	20.3
POR15	Light A	20.8	20.7	20.5	20.3
POR16	Light A	20.8	20.8	20.5	20.4
POR17	Light A	20.8	20.8	20.5	20.4
POR18	Light C	20.4	20.3	20.6	20.2
POR19	Light A	20.8	20.7	20.5	20.3
POR20	Light A	20.8	20.7	20.5	20.2
POR21	Light A	20.8	20.6	20.5	19.9
POR22	Light C	20.4	20.3	20.6	20.5
POR23	Light C	20.4	20.4	20.6	20.5
POR24	Light C	20.4	20.3	20.6	20.5
POR26	Light C	20.4	20.3	20.6	20.3
POR27	Light C	20.4	20.4	20.6	20.5
POR28	Light C	20.4	20.3	20.6	20.1
POR29	Light A	20.8	20.7	20.5	20.3

Note:

1 Higher values represent darker skies.

Table 6-9: Predicted Light Trespass Results

ID	Representative Measurement Location	Existing Illuminance	Predicted Project Illuminance ¹	Cumulative Illuminance
		lux		
POR01	Light B	0.002	0.000	0.002
POR02	Light C	0.001	0.000	0.001
POR03	Light C	0.001	0.000	0.001
POR04	Light A	0.002	0.082	0.084
POR05	Light D	0.001	0.000	0.001
POR06	Light C	0.001	0.000	0.001
POR07	Light C	0.001	0.000	0.001
POR08	Light A	0.002	0.000	0.002
POR09	Light A	0.002	0.096	0.098
POR10	Light A	0.002	0.000	0.002
POR11	Light B	0.002	0.000	0.002
POR12	Light A	0.002	0.063	0.064
POR13	Light A	0.002	0.000	0.002
POR14	Light A	0.002	0.000	0.002
POR15	Light A	0.002	0.004	0.006
POR16	Light A	0.002	0.000	0.002
POR17	Light A	0.002	0.000	0.002
POR18	Light C	0.001	0.000	0.001
POR19	Light A	0.002	0.000	0.002
POR20	Light A	0.002	0.000	0.002
POR21	Light A	0.002	0.000	0.002
POR22	Light C	0.001	0.004	0.005
POR23	Light C	0.001	0.003	0.004
POR24	Light C	0.001	0.000	0.001
POR26	Light C	0.001	0.000	0.001
POR27	Light C	0.001	0.003	0.004
POR28	Light C	0.001	0.000	0.001
POR29	Light A	0.002	0.000	0.002

Note:

¹ Takes into consideration line of sight between PORs and sources

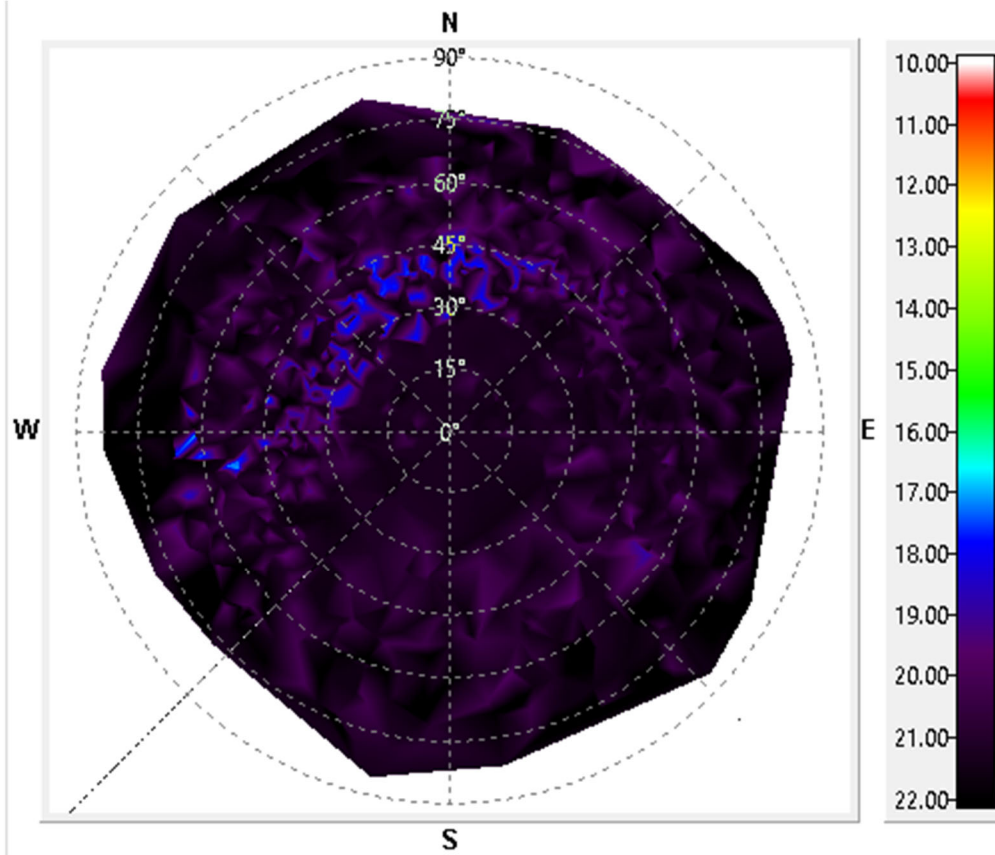


Figure 6-1: Composite Sky Glow (mag/arcsec²) Plot for Light A – Dixie Station

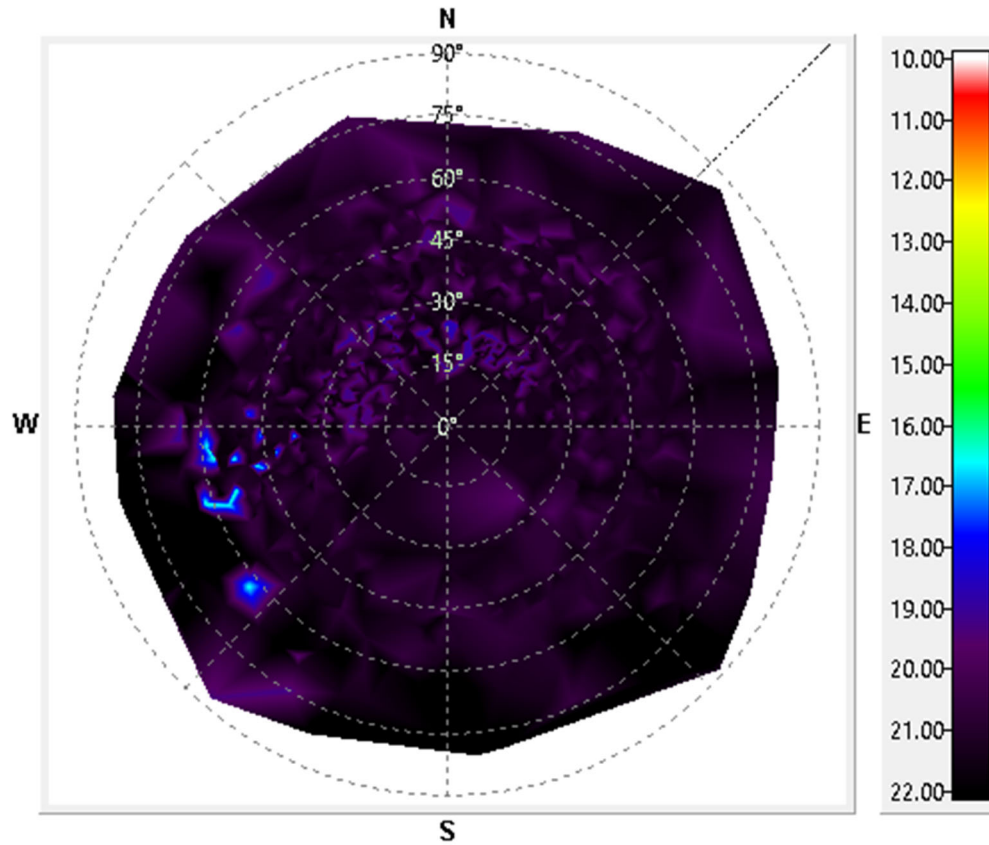


Figure 6-2: Composite Sky Glow (mag/arcsec²) Plot for Light B – Tuzyk Station

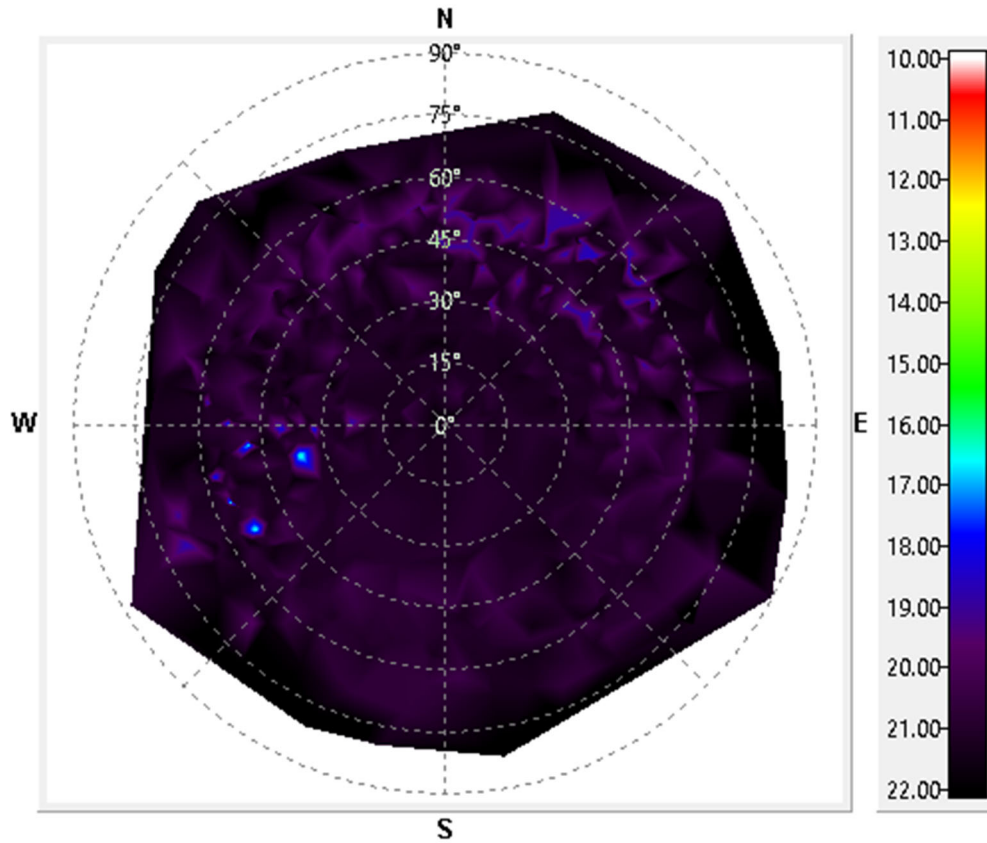


Figure 6-3: Composite Sky Glow (mag/arcsec²) Plot for Light C – Tote Station

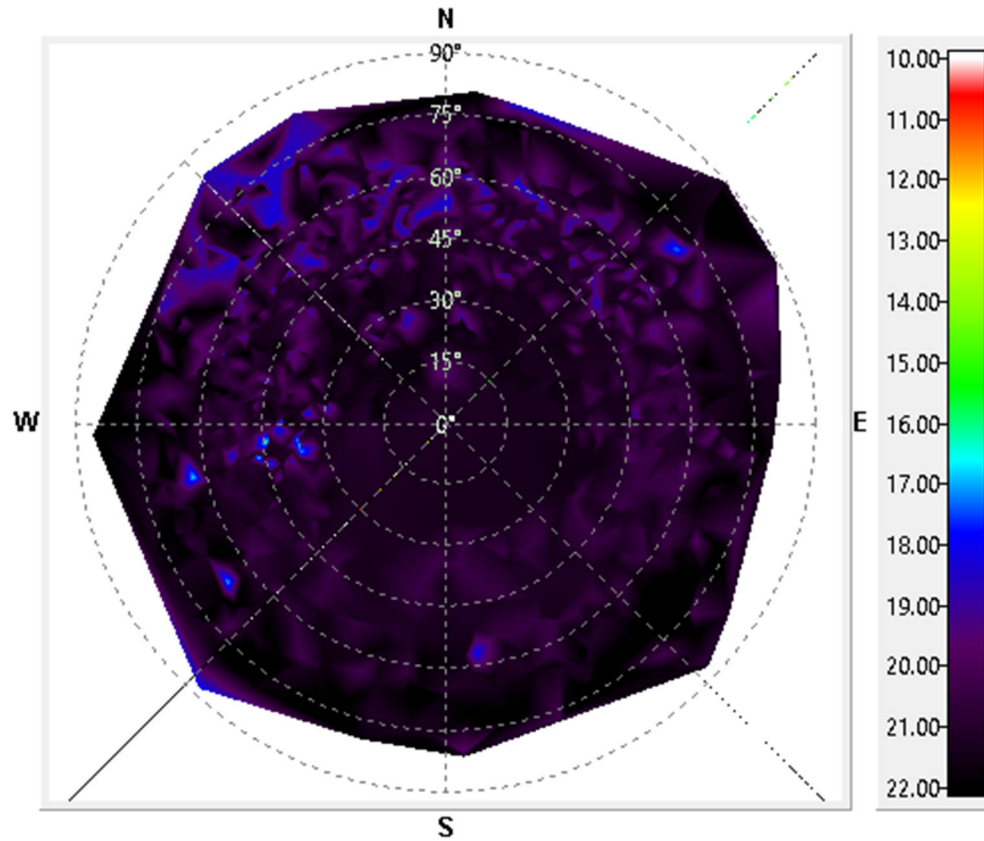


Figure 6-4: Composite Sky Glow (mag/arcsec²) Plot for Light D – Teardrop Station

7 MITIGATION

Good lighting practice to ensure site safety and minimize light trespass and sky glow will be implemented for the Project.

7.1 GENERAL CONSIDERATIONS

General light mitigation measures for the construction, operations, and closure phases of the Project include:

- Designing the lighting installations and using adaptive lighting technology to reduce unneeded light
 - Maintaining light sources below the tree line where feasible to prevent a direct line of sight from a light receptor, thereby maximizing the benefits of natural attenuation
 - High colour temperature lighting (i.e., blue light at 4000 kelvins) is to be avoided where reasonable, with preferential use of warmer colour lighting such as yellow and orange.
 - Generally, the mine rock stockpile, the overburden stockpiles, low-grade stockpiles, and the headframe are Project features with ultimate heights most at risk of facilitating light sources with sight-lines to PORs (see the Visual Assessment renderings under separate cover). Managing light sources at these locations, especially as they approach their ultimate heights, should be a focus to minimize light trespass nuisance.
-

7.2 MOBILE SOURCES

Mitigation of light effects from mobile sources, such as haul trucks, for the construction, operation and decommissioning / closure phases of the Project are to include the use of natural treed buffers to reduce line of sight from a light receptor to a roadway where feasible.

7.3 STATIONARY SOURCES

Stationary light sources are to be controlled during all phases of the Project incorporating the following good practices where it is safe to do so:

- Use higher mounting heights paired with narrower beam lights
- Reduce the downward aiming angle of the lighting fixture from the vertical plane
- Where there is flexibility as to where illuminated area / activity can be placed, it should be located and oriented where it will have the least effect on PORs taking advantage of physical features for screening
- Confirm and inspect that lighting fixtures are correctly located and aimed
- Select light fixture with appropriate beam classification (spread and projection distance) for the application
- Avoid over-lighting
- Use smart lighting systems to reduce light use where unneeded
- Visual assessment of lighting fixtures for evidence of light spill
- Fit light fixture with louvres, baffles, or shields to control light spill
- Use Full Cutoff and Dark Sky compliant lighting fixtures
- Use warm light colours for lighting preferentially over cold lighting colours.

8 MONITORING

Ongoing quantitative monitoring of ambient light at PORs is not proposed as light effects are not predicted. As part of routine monitoring, light sources will be visually assessed for maintenance needs and evidence of light spill.

9 SUMMARY OF FINDINGS AND CONCLUSION

The following are the key findings of the *Ambient Light Baseline and Predictive Assessment* for all phases of the Project:

- Baseline sky glow at the PORs was generally consistent with the low district brightness (E2 Lighting Zone) with some possible influence from Red Lake. Generally, the difference between existing and predicted skyglow was comparable to the seasonal variability seen between baseline measurement. Baseline light trespass was generally representative of truly dark sky (E1 Lighting Zone).
- Light trespass is not predicted to exceed the maximum recommended for an E1 Environmental Lighting Zone at any of the assessed PORs as a result of the Project.
- Generally, the mine rock stockpile, the overburden stockpiles, low-grade stockpiles, and the headframe are Project features with ultimate heights most at risk of facilitating light sources with sight-lines to PORs (see the Visual Assessment renderings under separate cover). Managing light sources at these locations, especially as they approach their ultimate heights, should be a focus to minimize light trespass nuisance.
- Comparison of predicted light levels to CIE Lighting Zones is not a definitive indicator whether a nuisance would be experienced by a POR given the subjective nature of light level perception. However, the assessment indicates that nuisance is not expected and should be manageable through use of responsible outdoor lighting practices and dark-sky friendly fixtures where possible.
- Glare will be addressed through good lighting practices and periodic review of onsite lighting.
- While considering site safety needs, good lighting practices should be used where feasible to minimize night-time light levels. Best practice measures will reduce light trespass and glare effects on the PORs and on sky glow overall.

10 REFERENCES

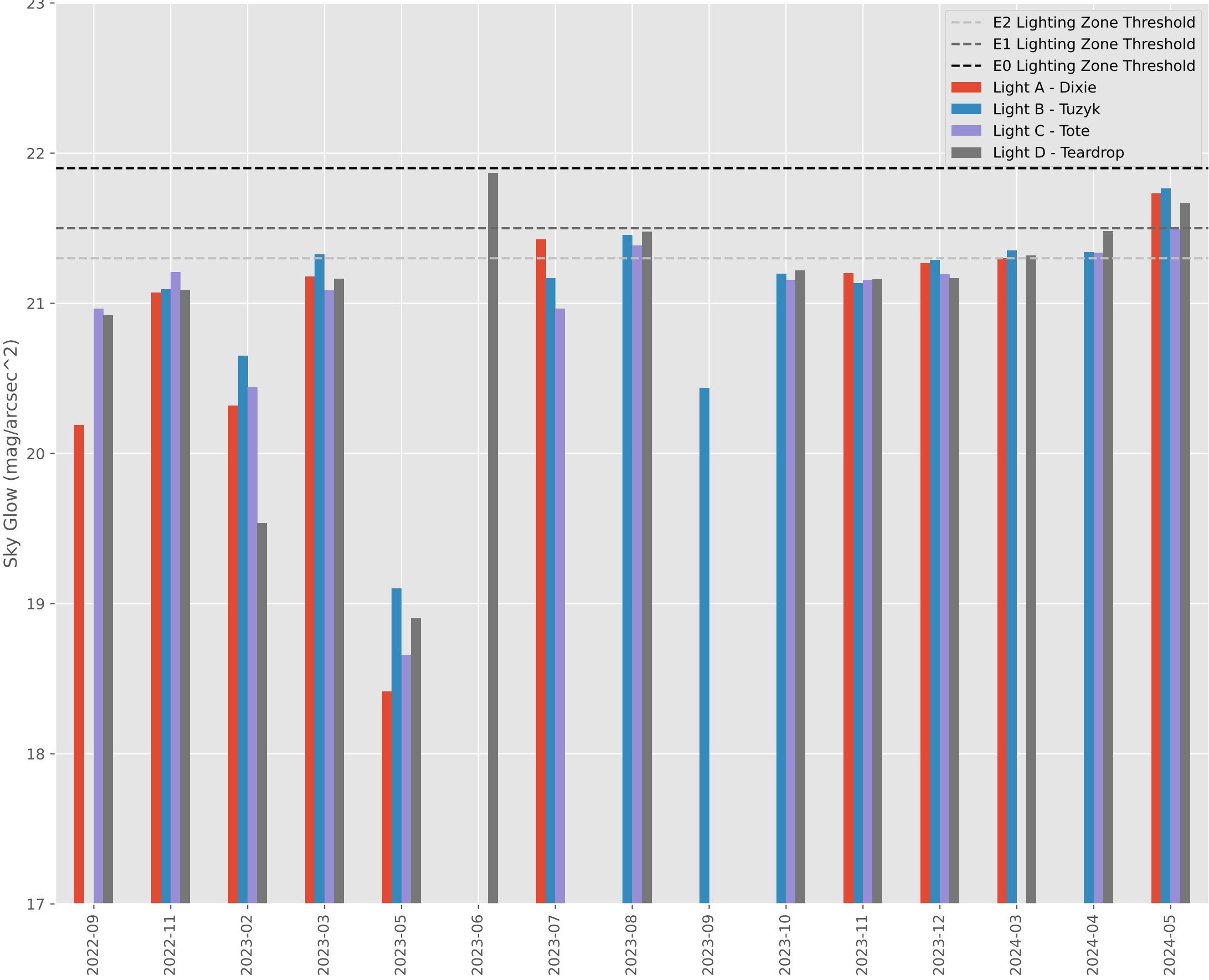
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Appendix A

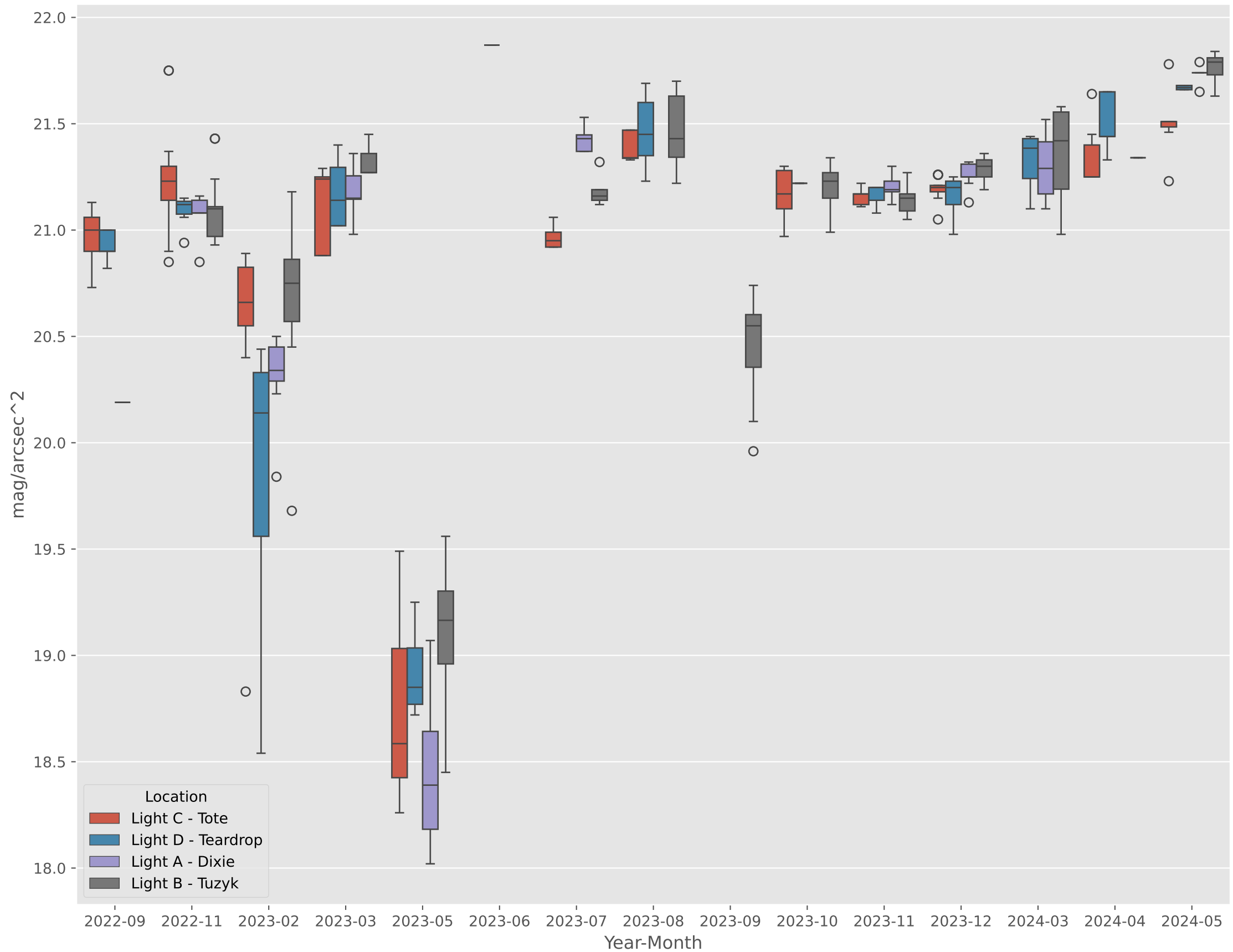
Baseline Sky Glow Data Summary Plots



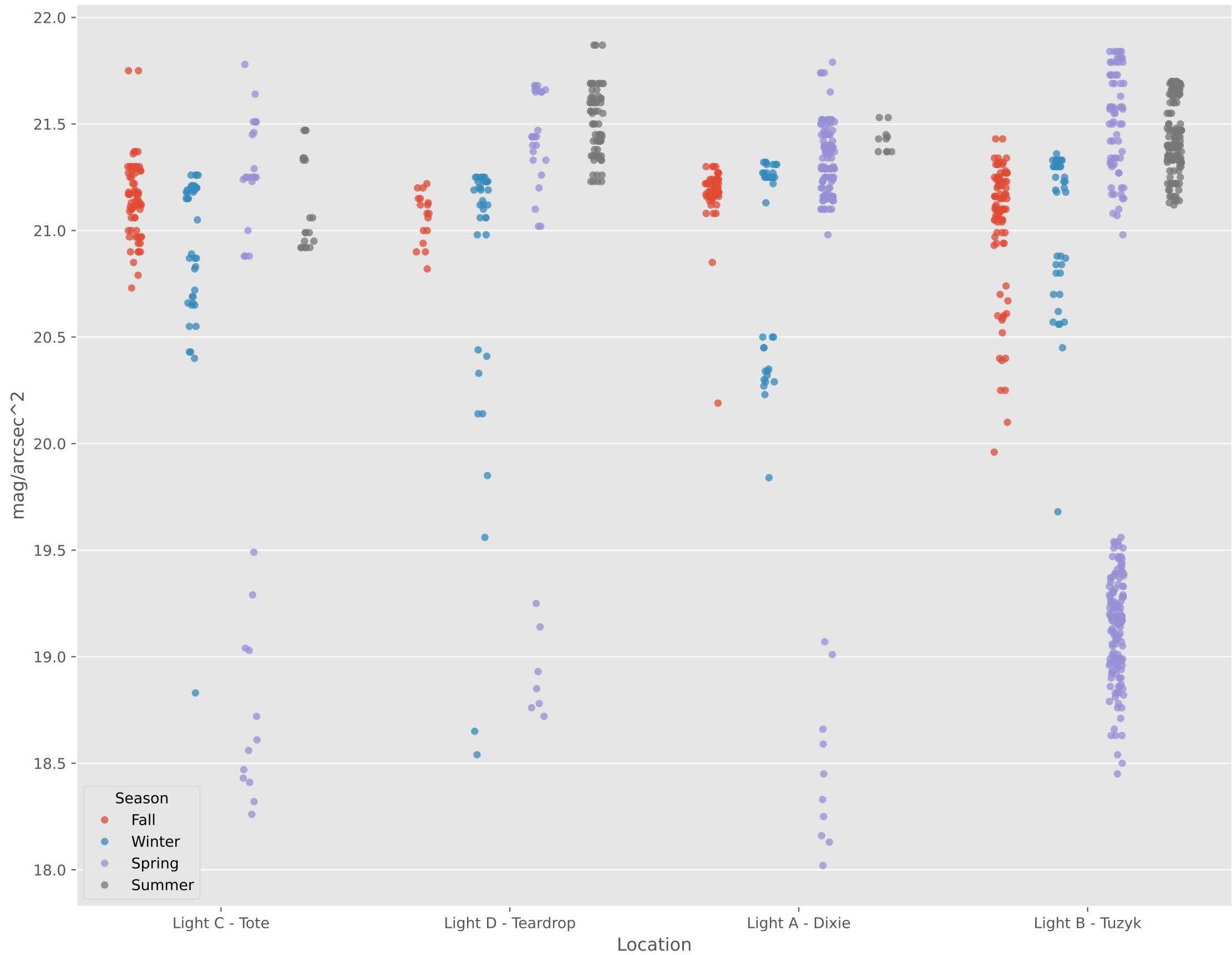
Great Bear Sky Glow (0-30 Degree Zenith)



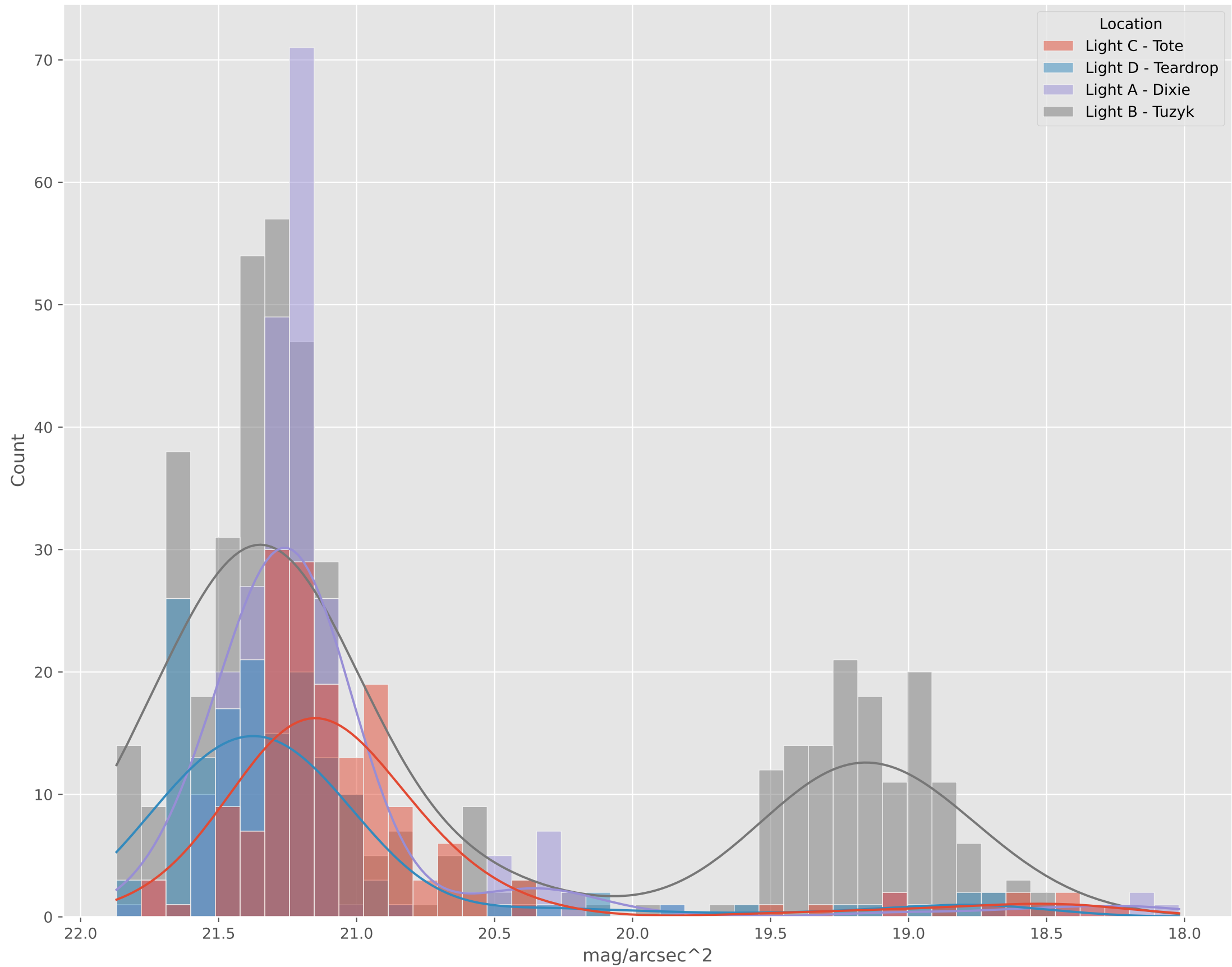
Great Bear Sky Glow Box Plot (0-30 degree zenith)



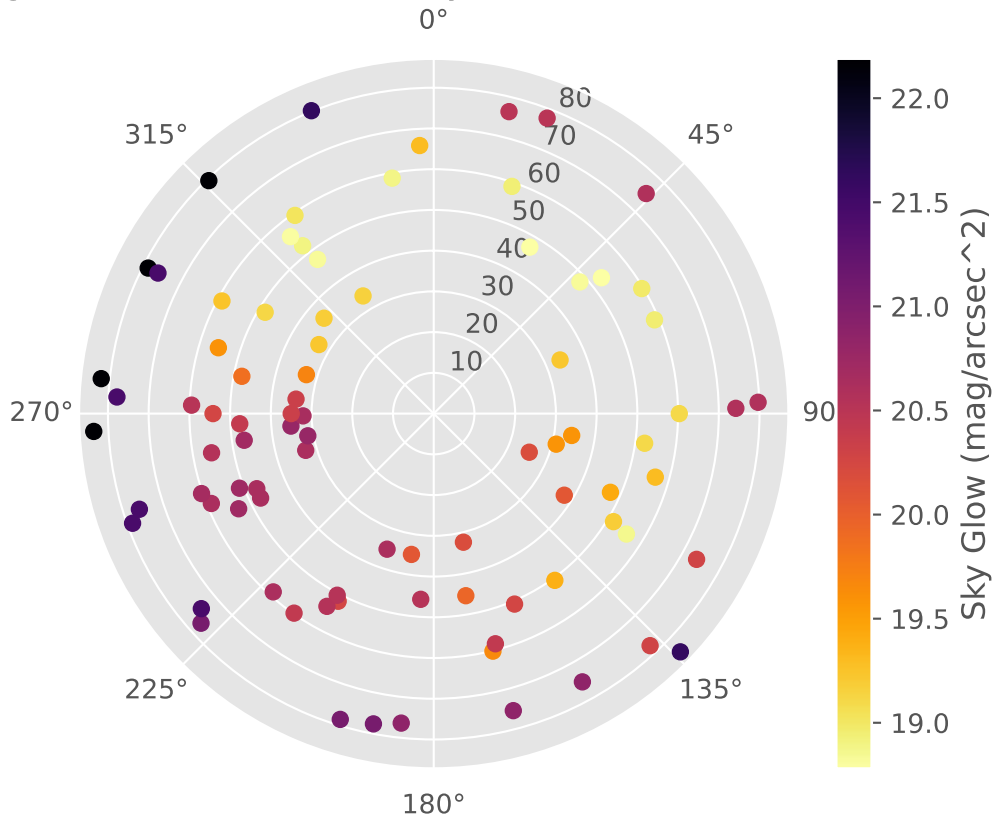
Sky Glow Seasonal Strip Plot (0-30 degree zenith)



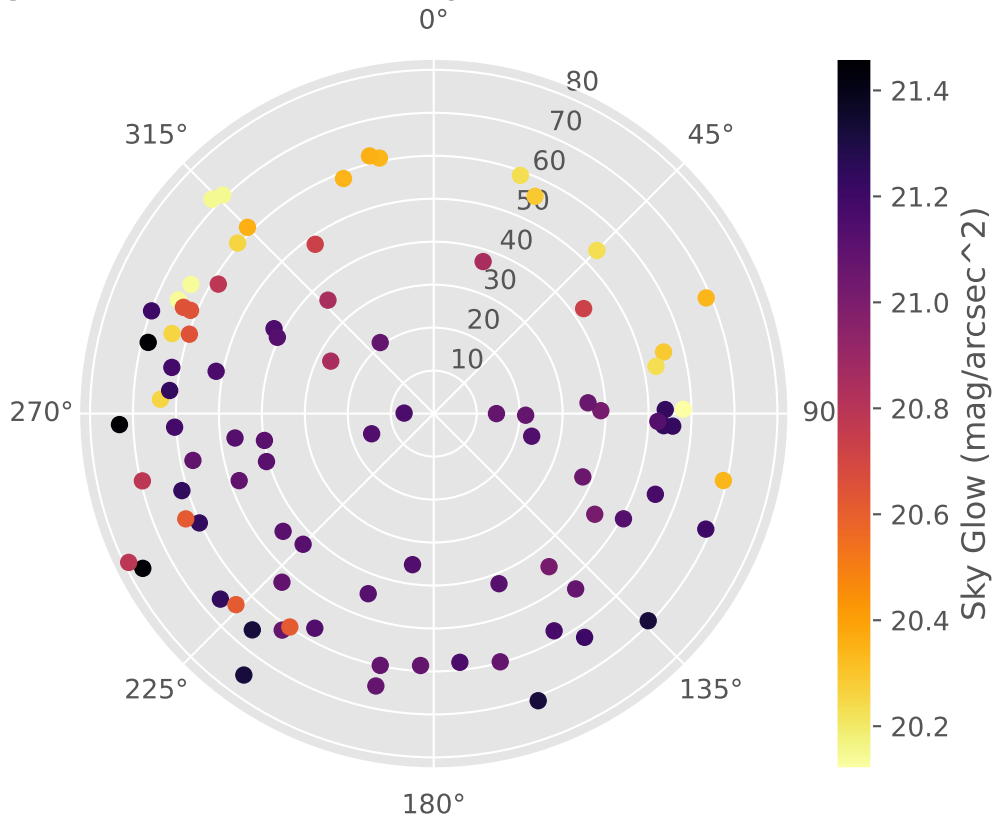
Great Bear Sky Glow Histogram (0-30 degree zenith)



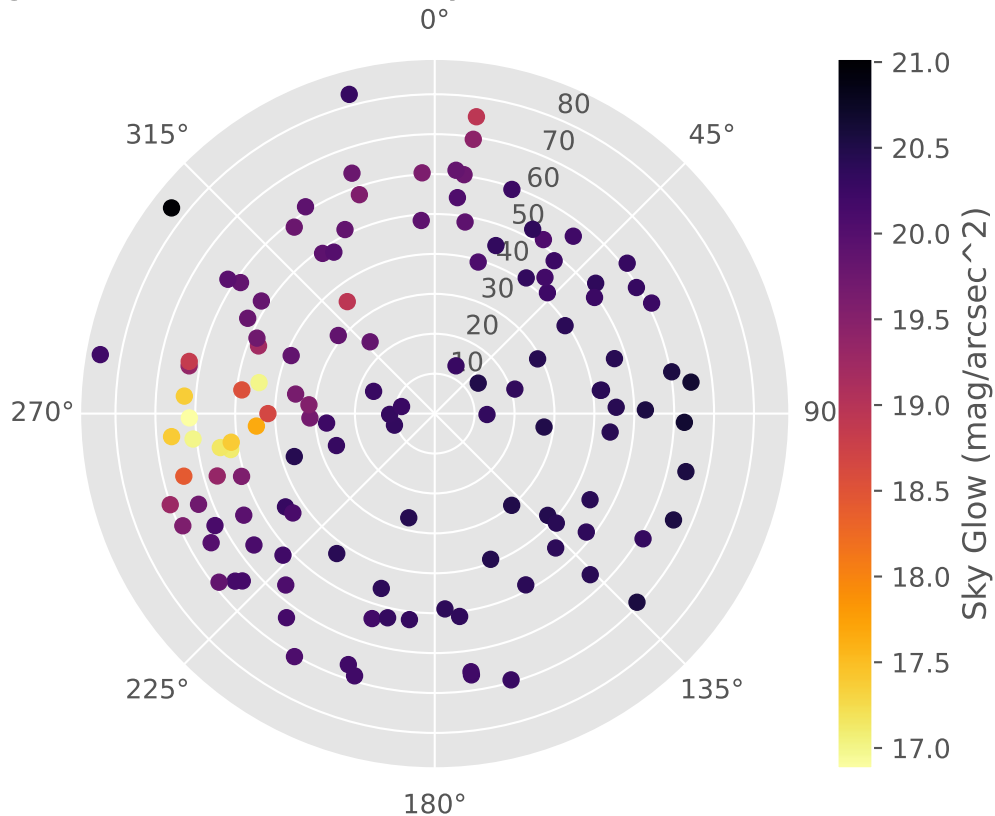
Light A - Dixie Station Sky Glow Plot for 2022-09



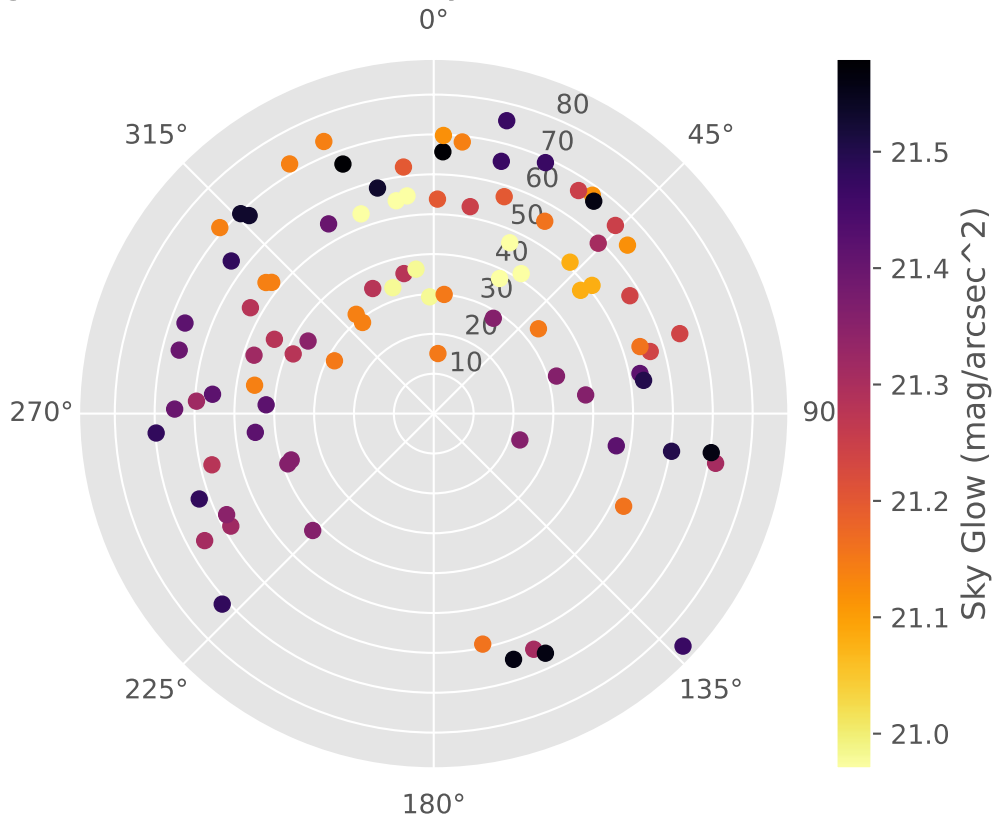
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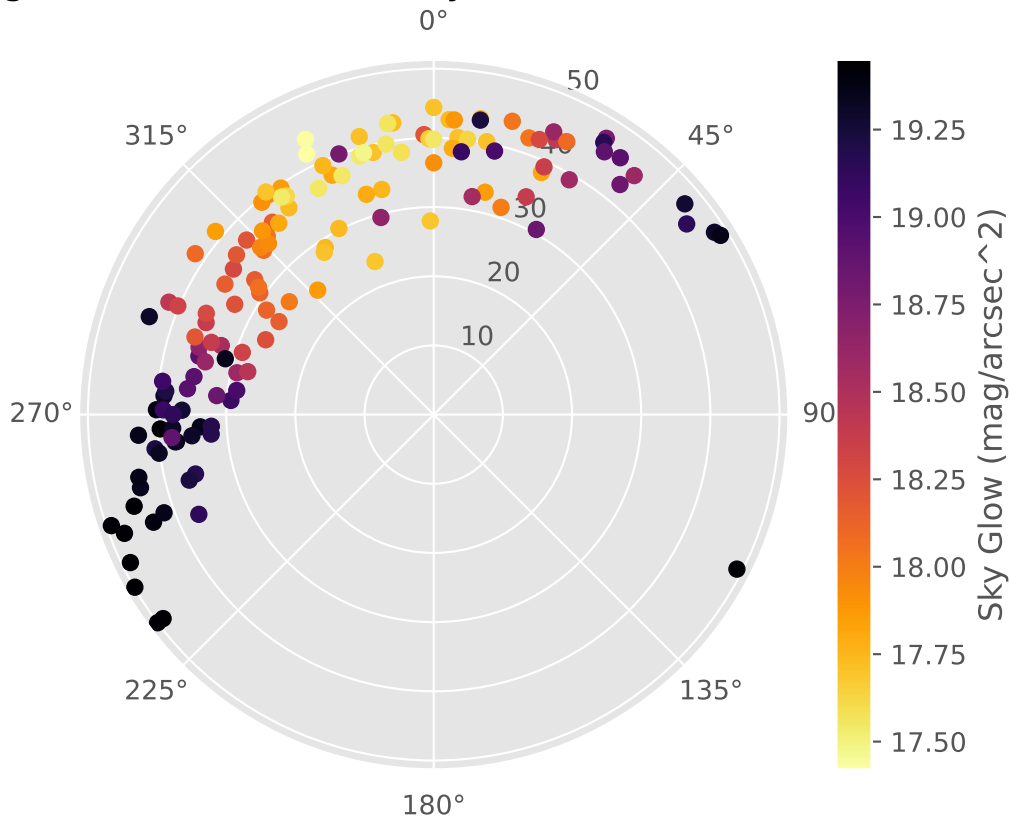
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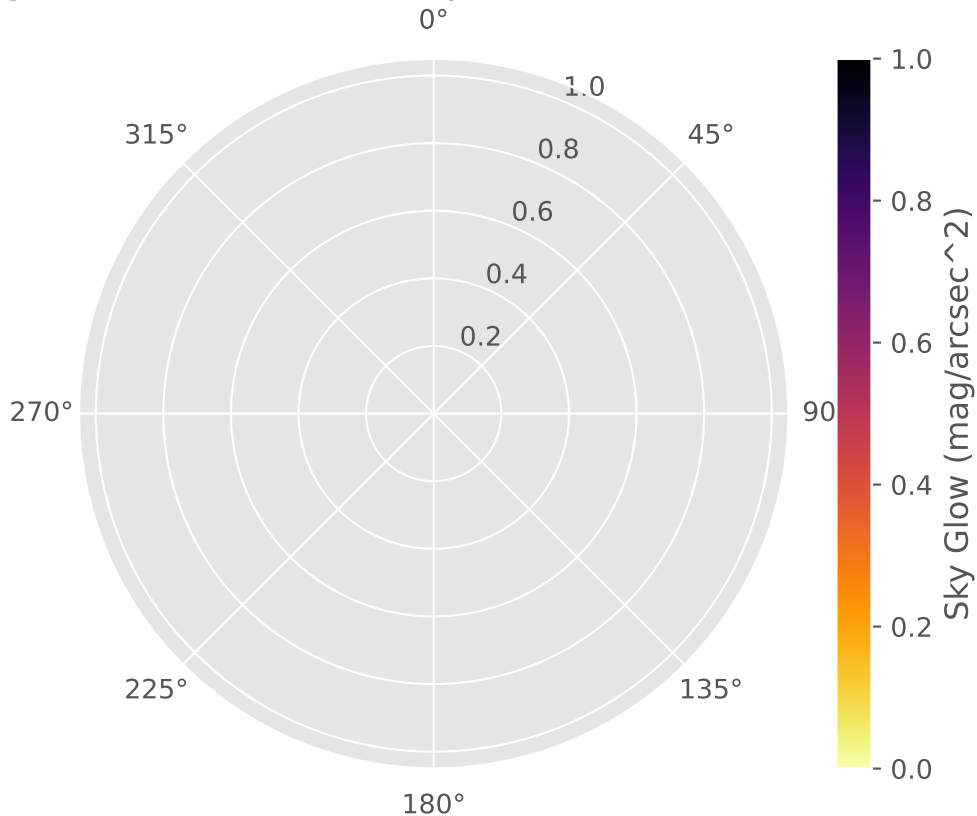
Light A - Dixie Station Sky Glow Plot for 2023-03



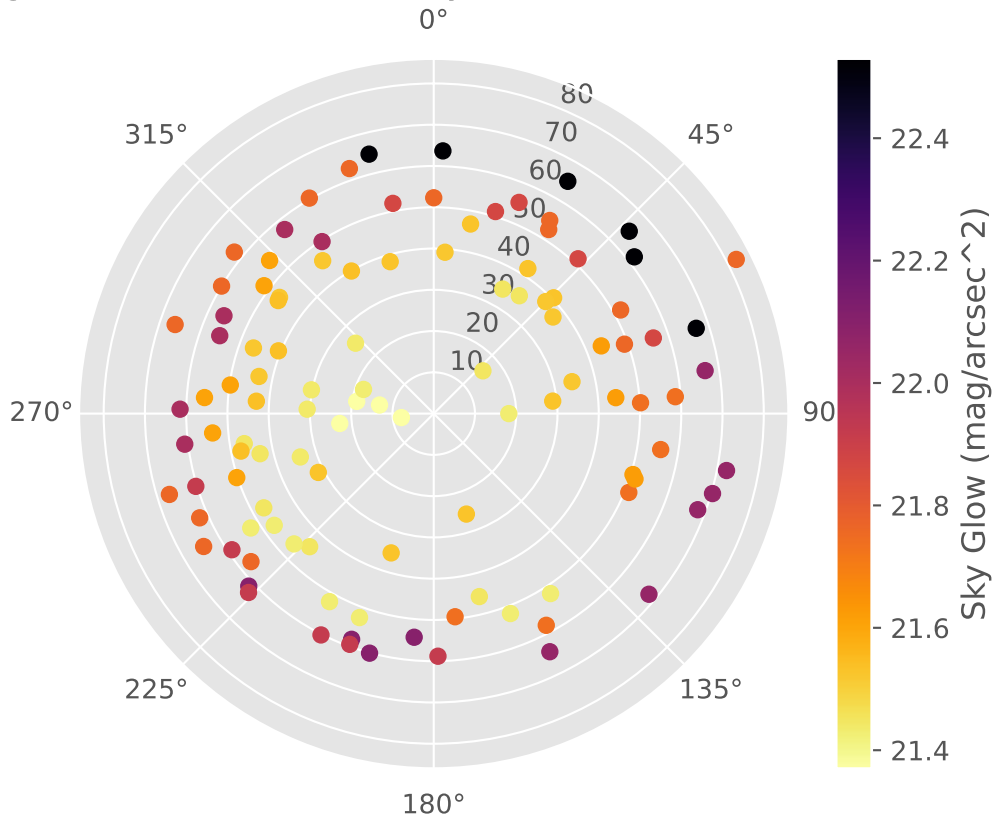
Light A - Dixie Station Sky Glow Plot for 2023-05



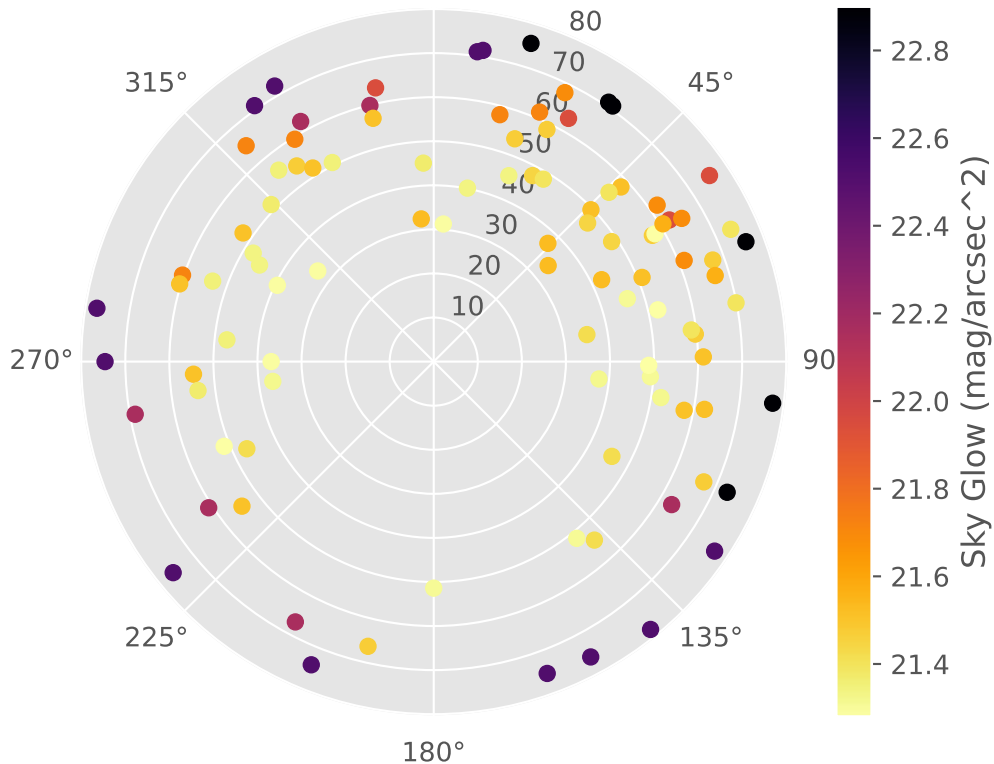
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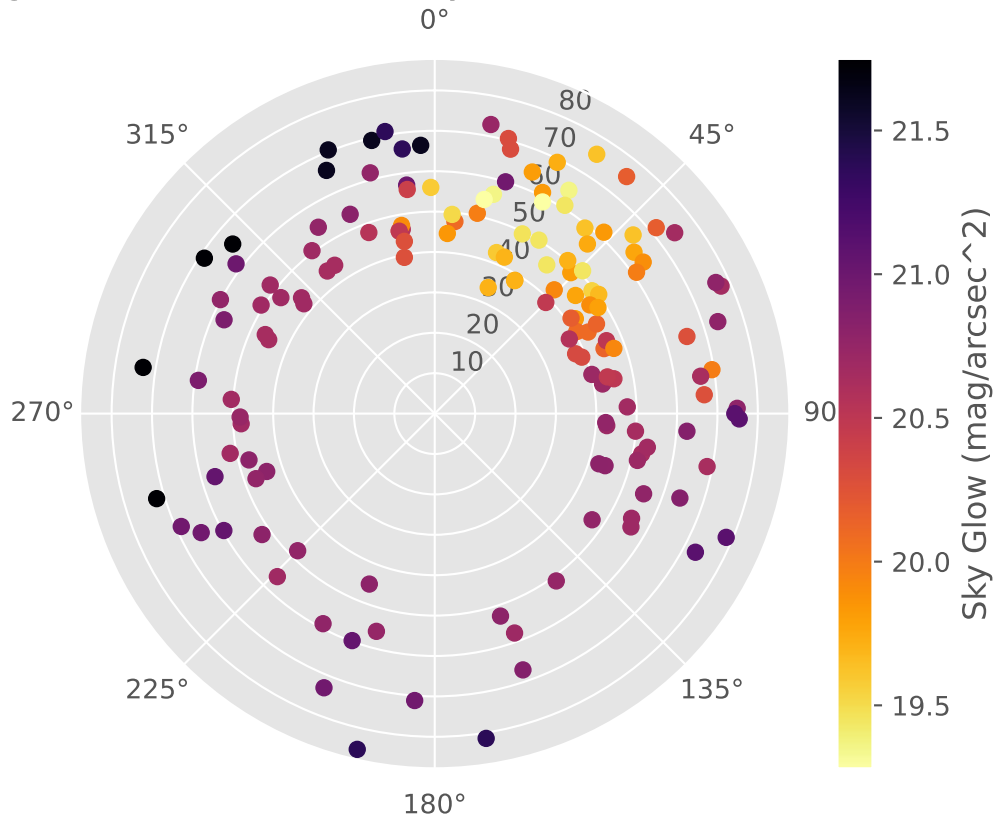
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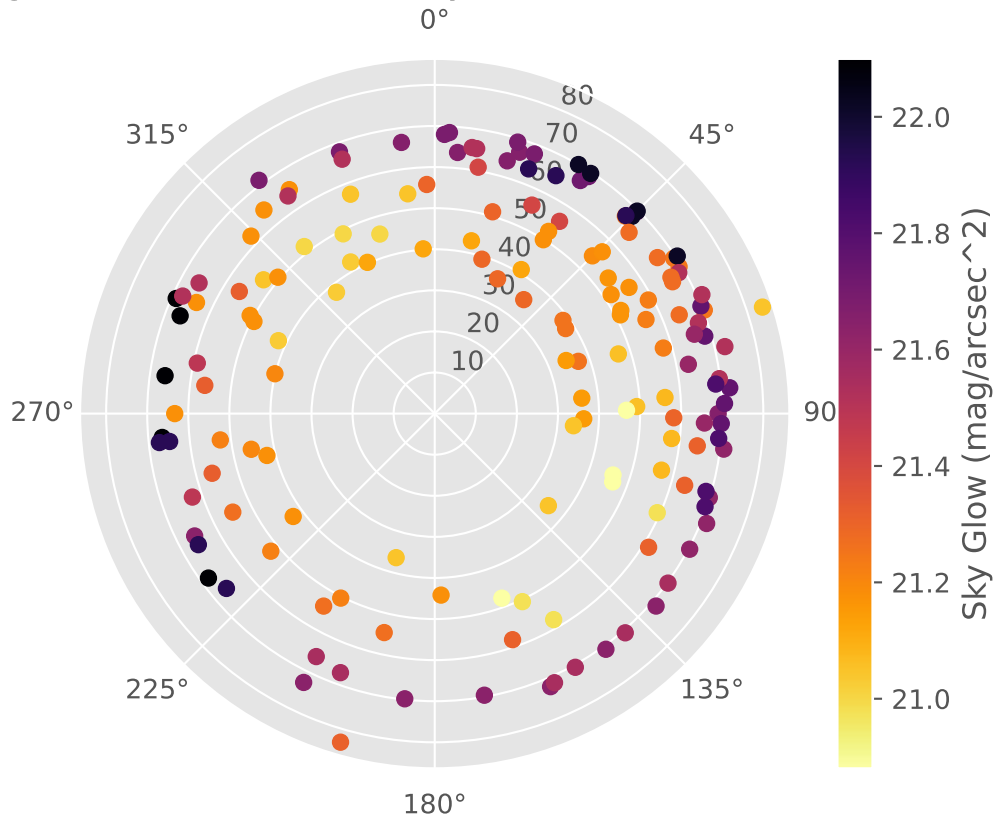
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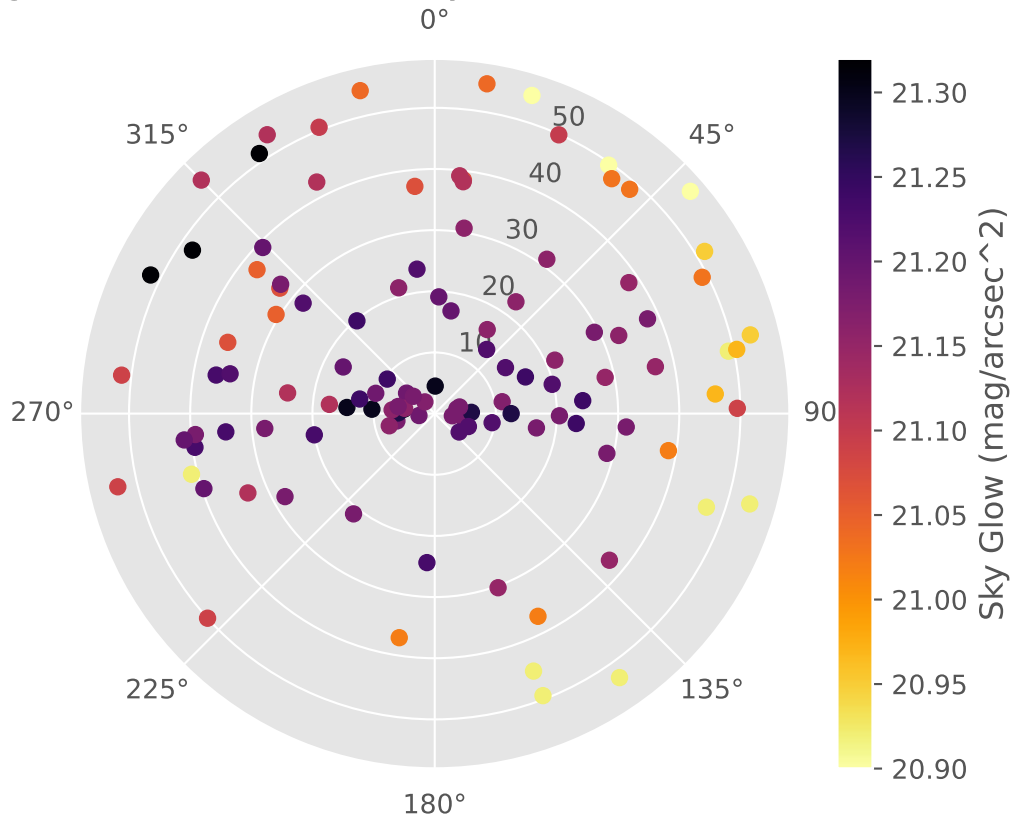
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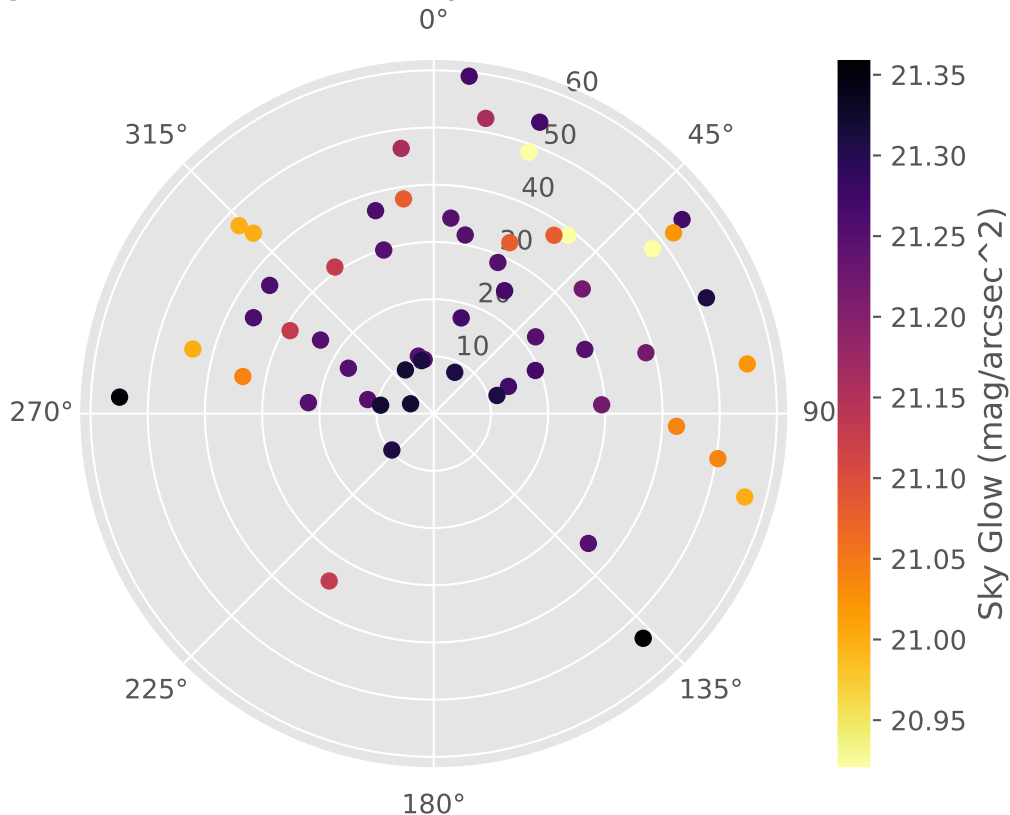
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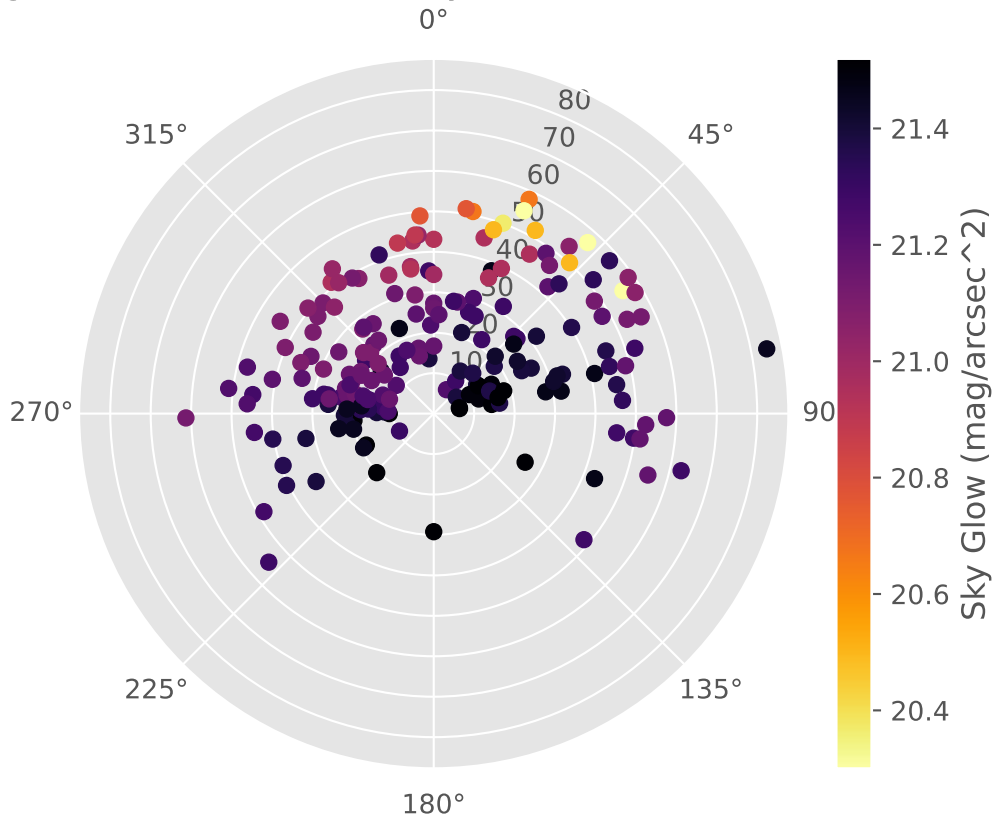
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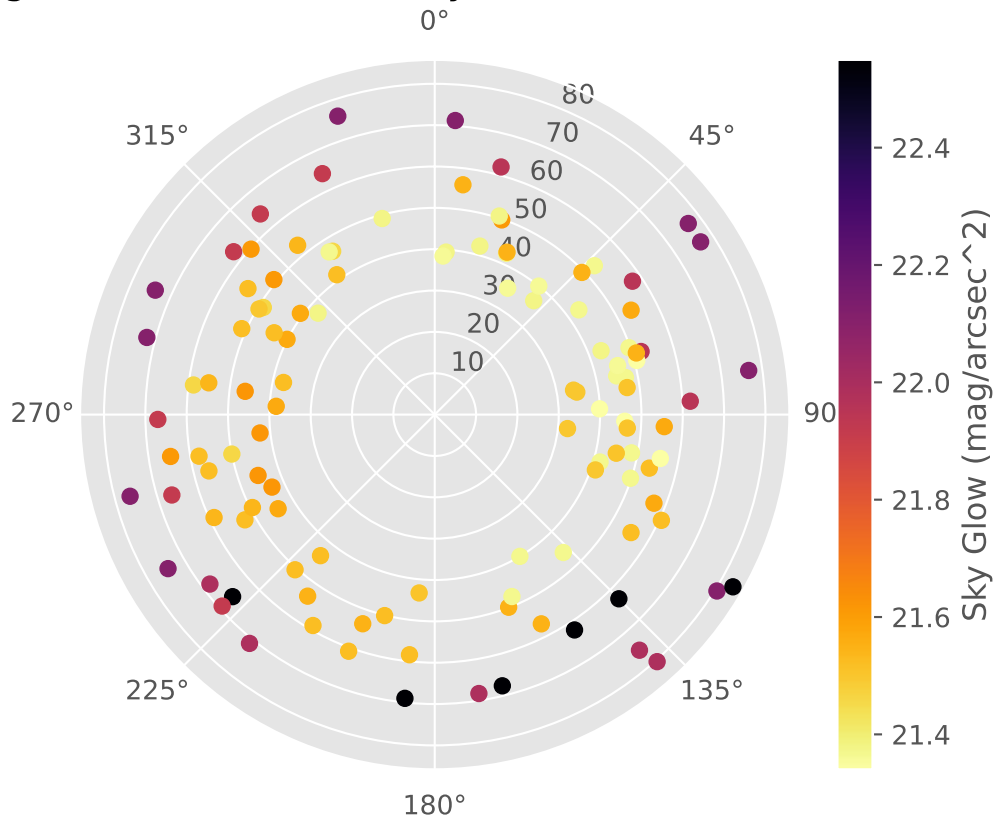
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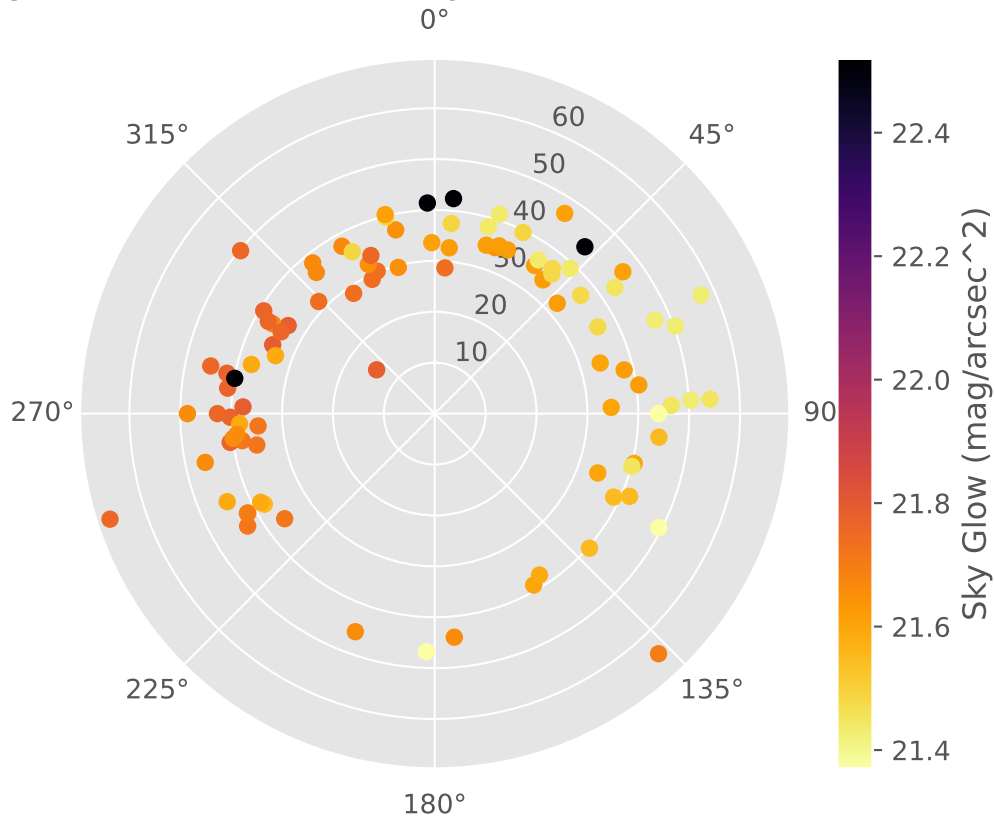
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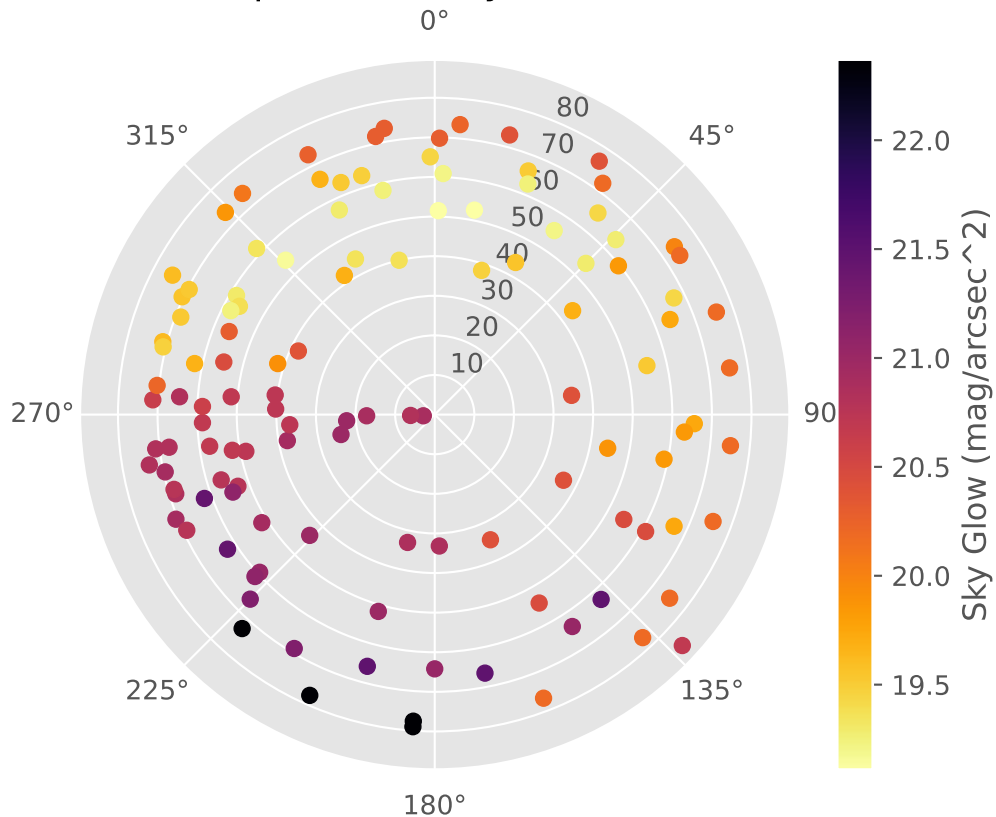
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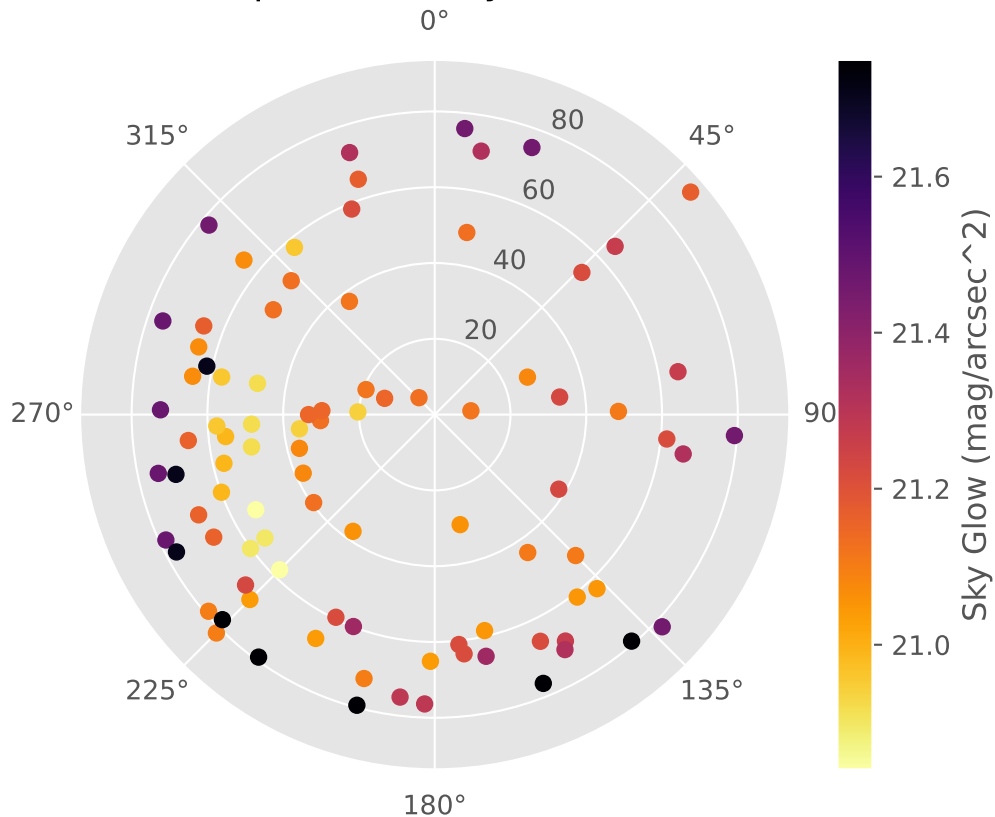
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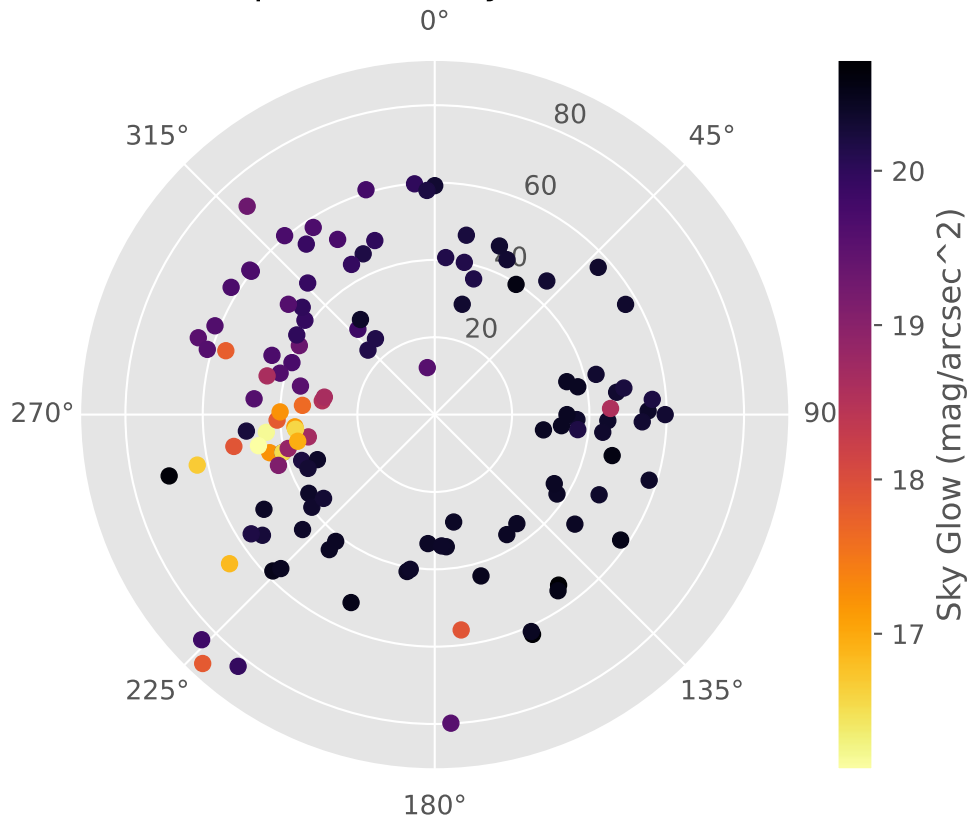
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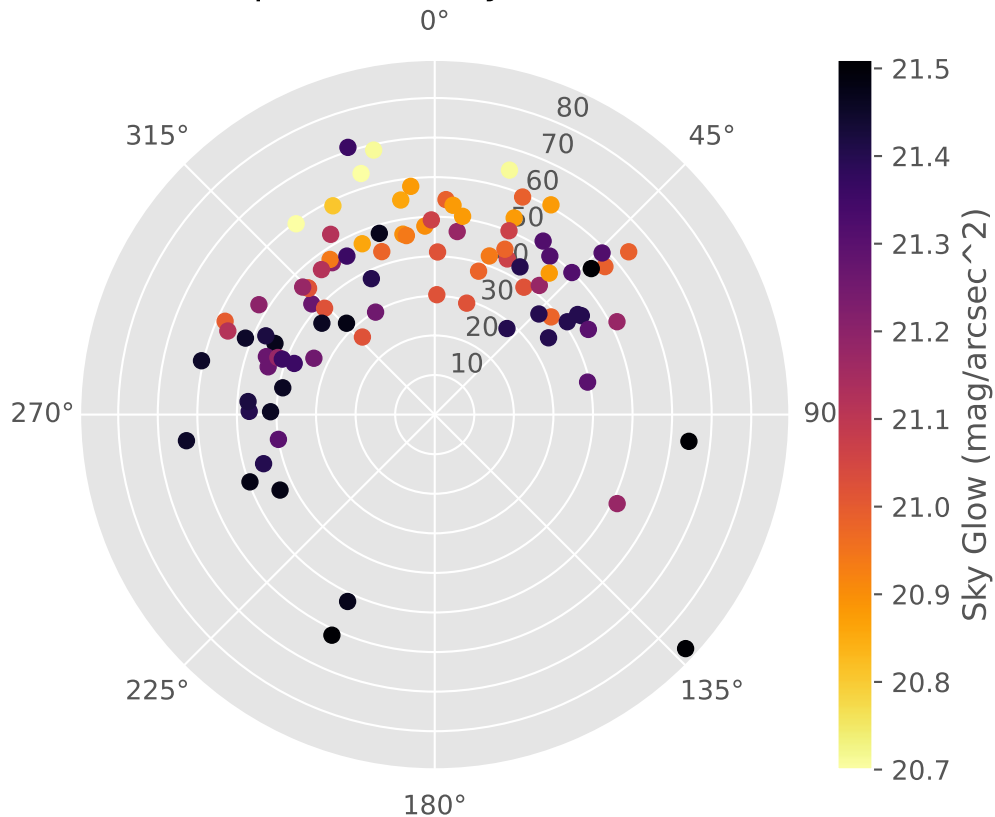
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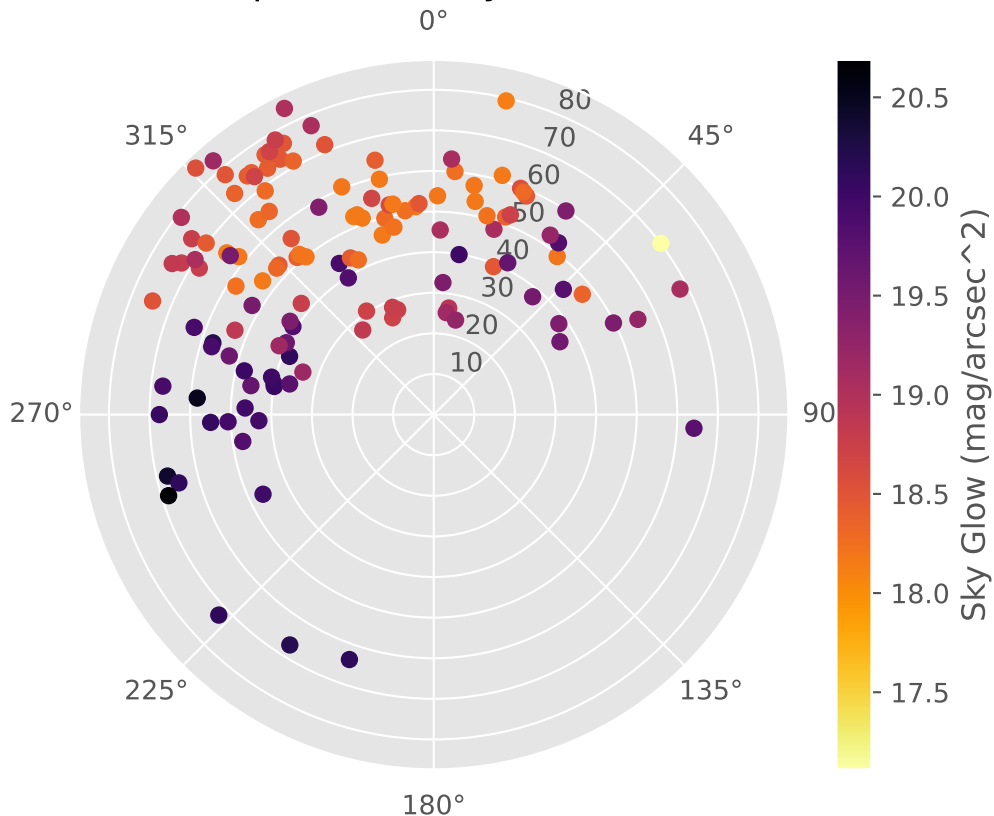
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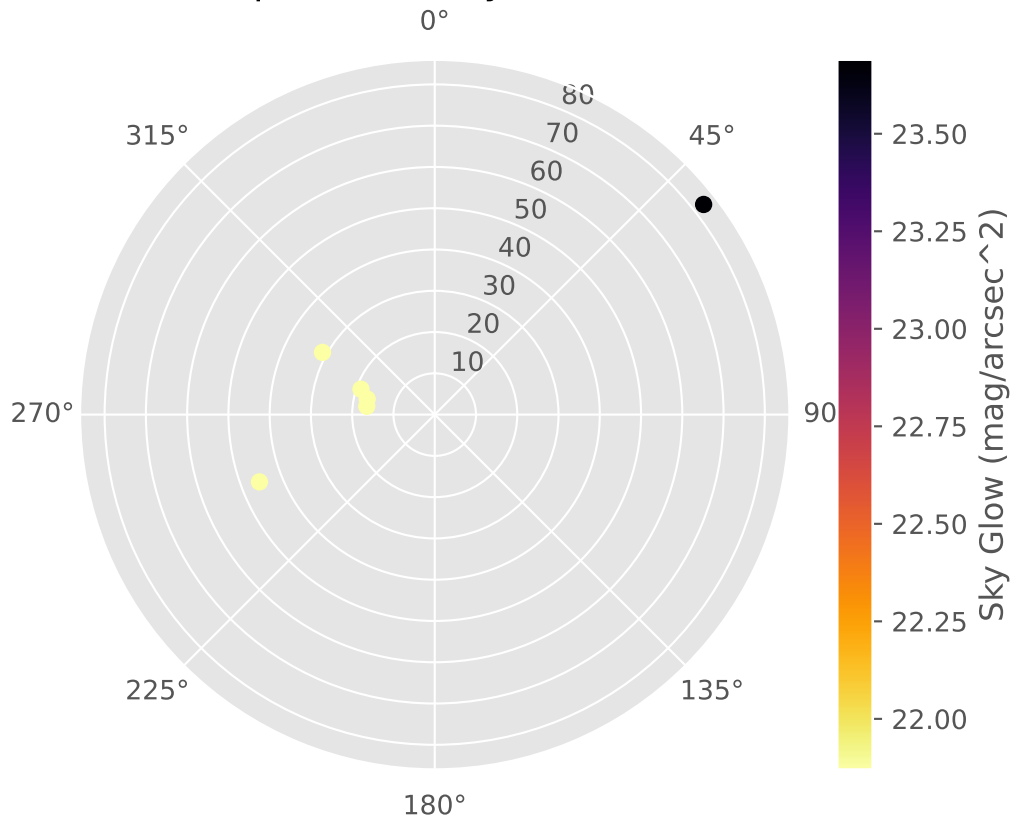
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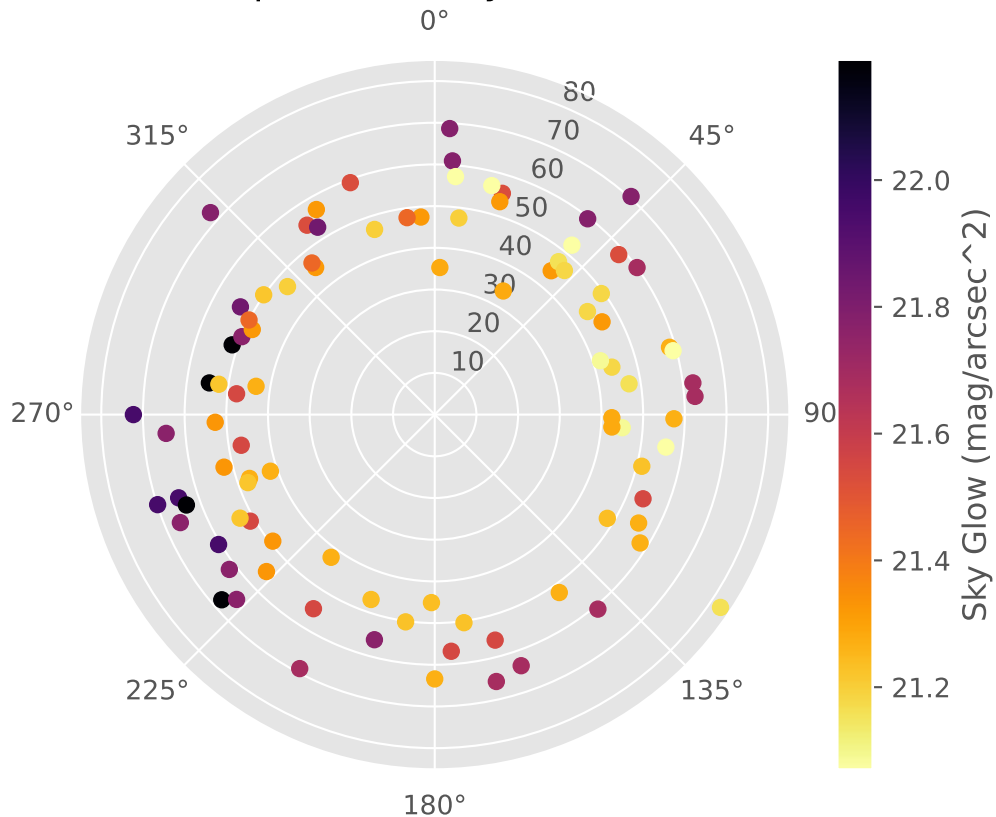
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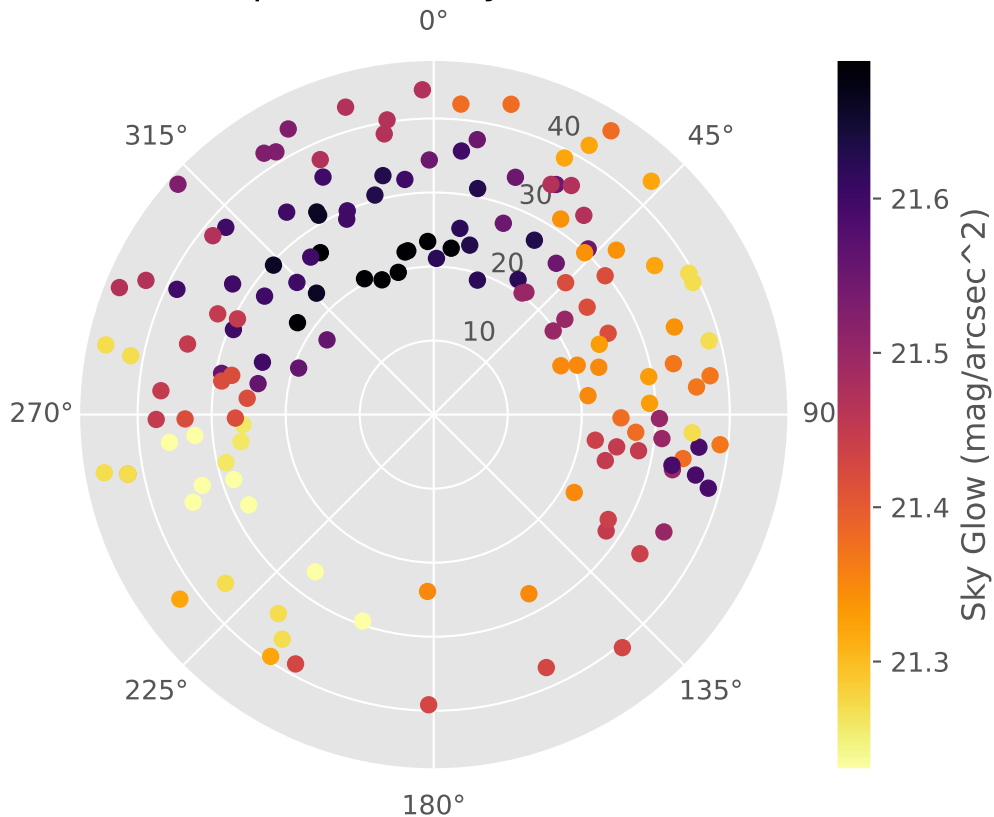
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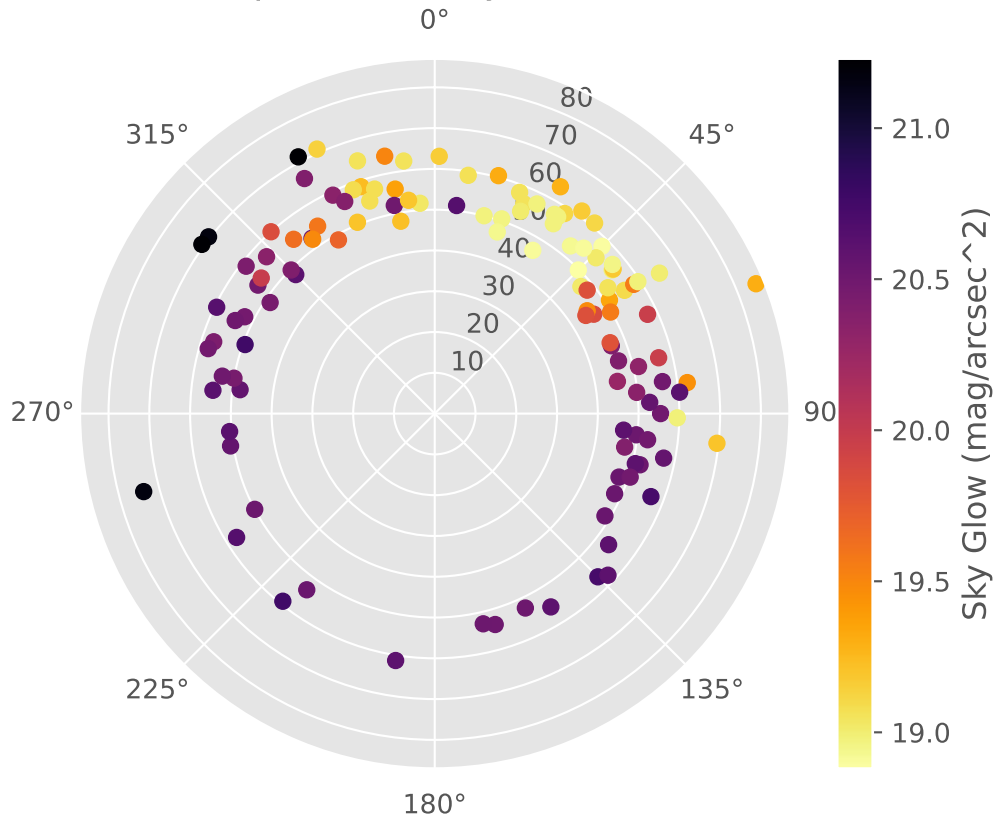
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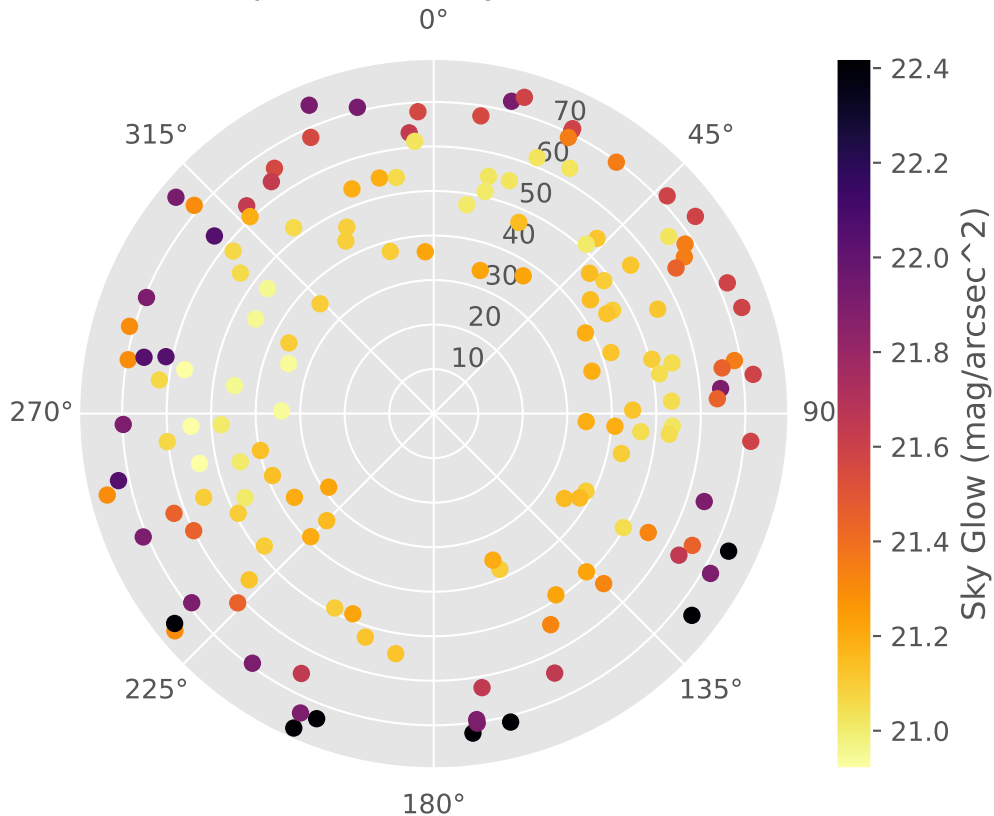
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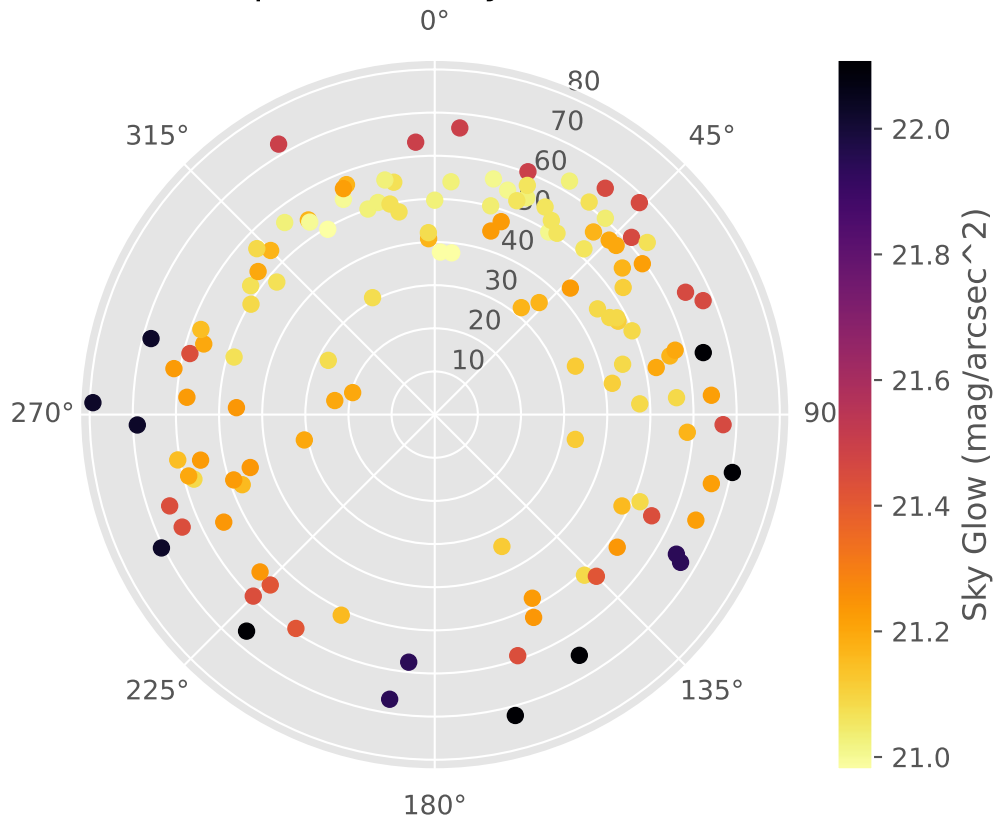
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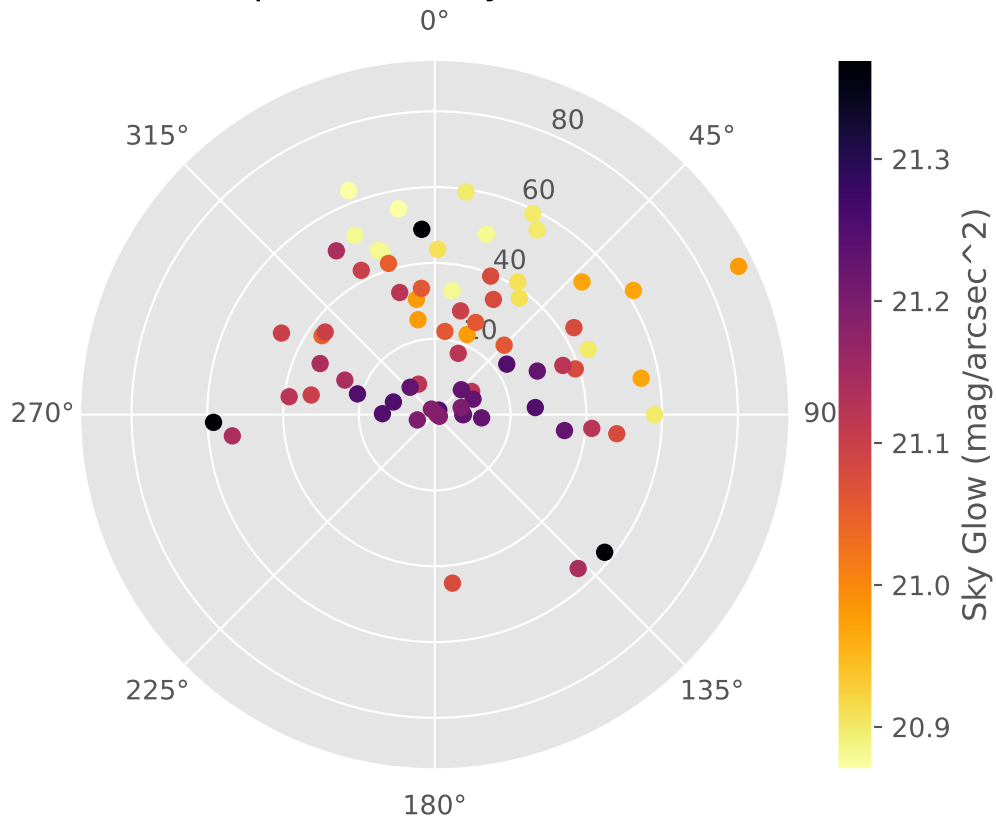
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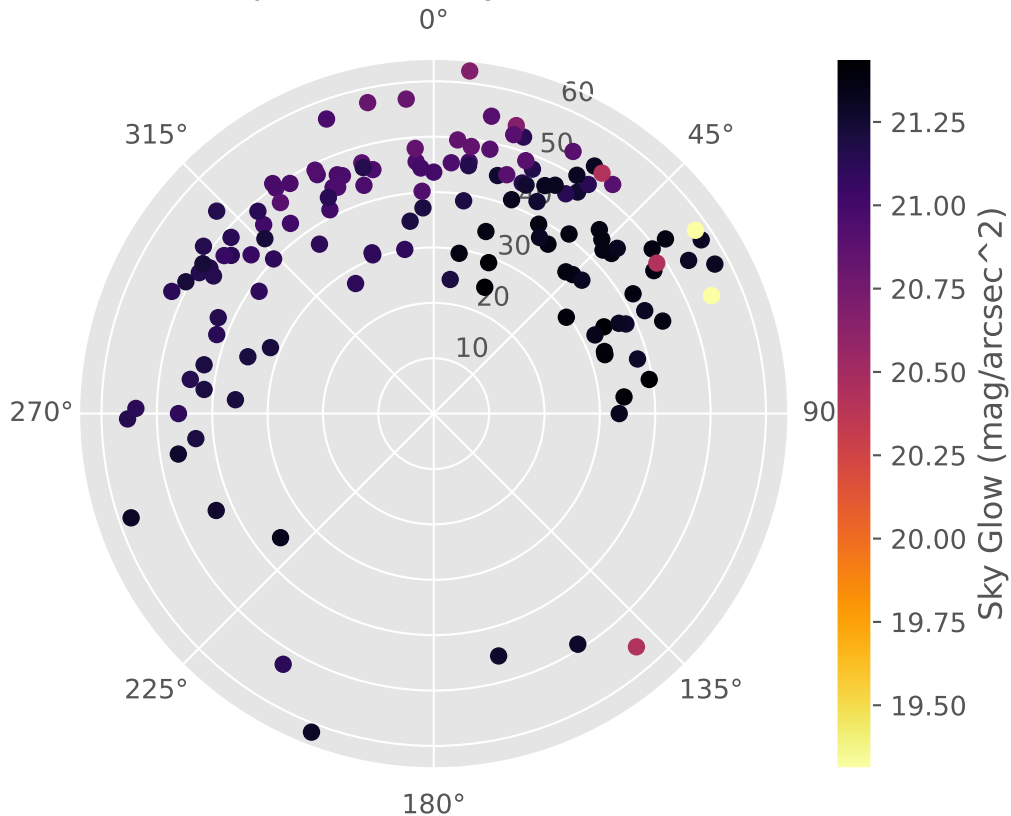
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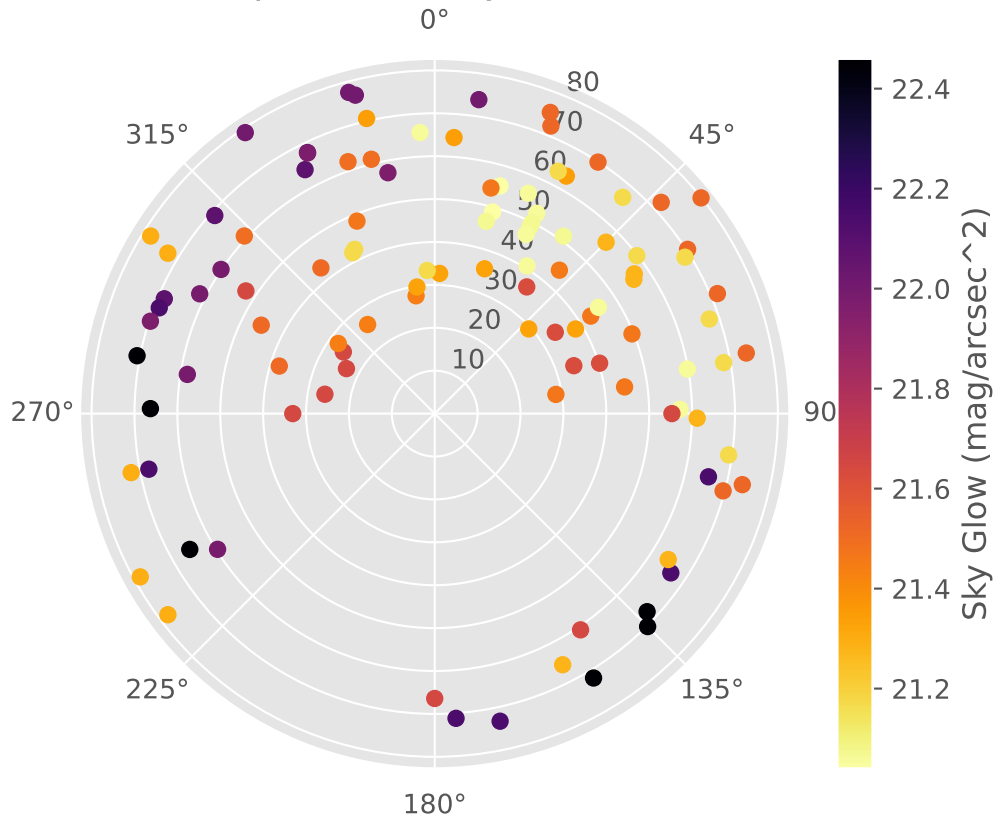
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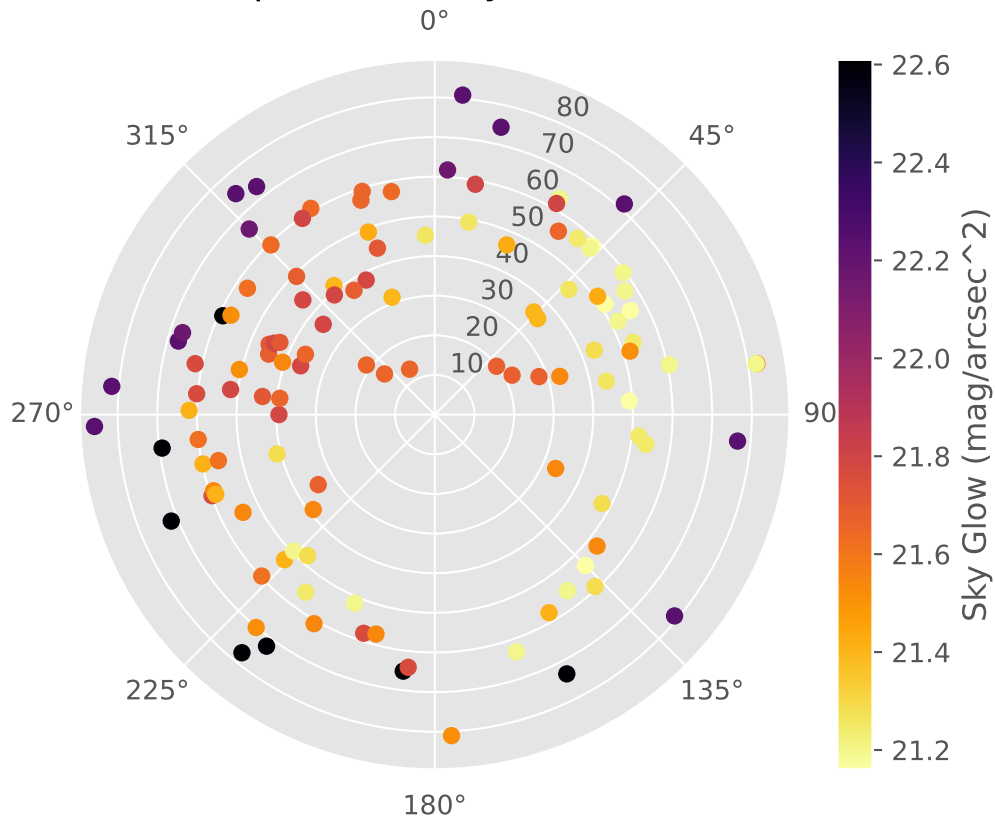
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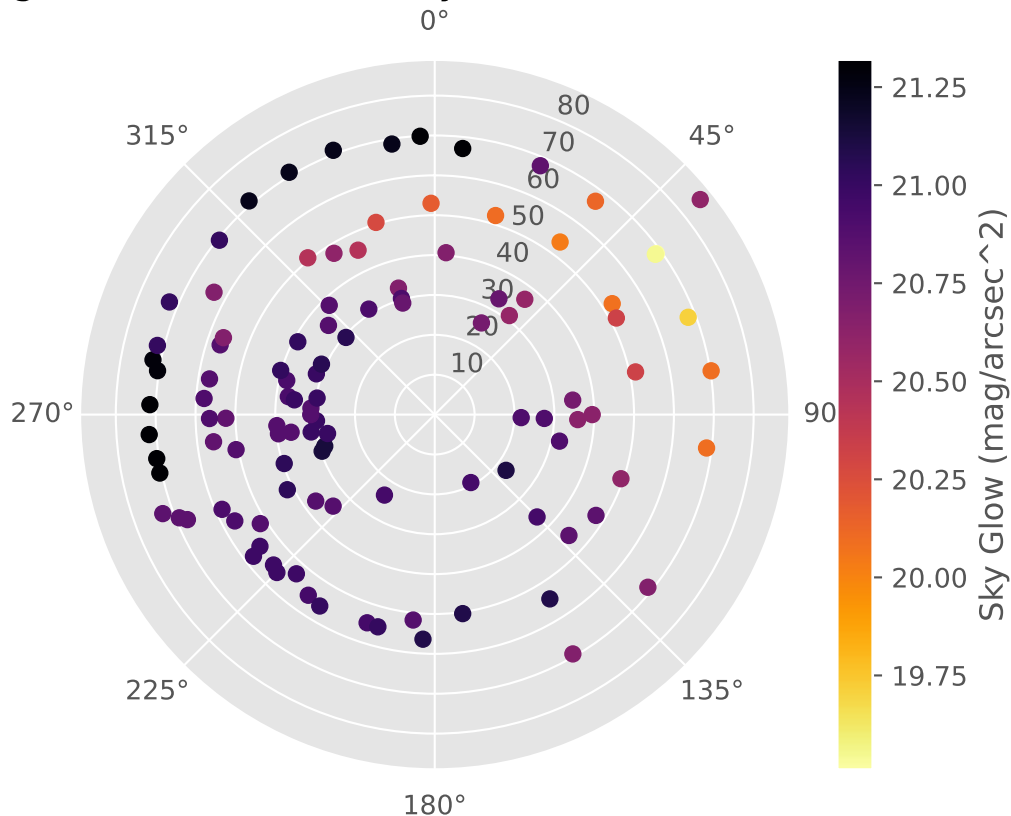
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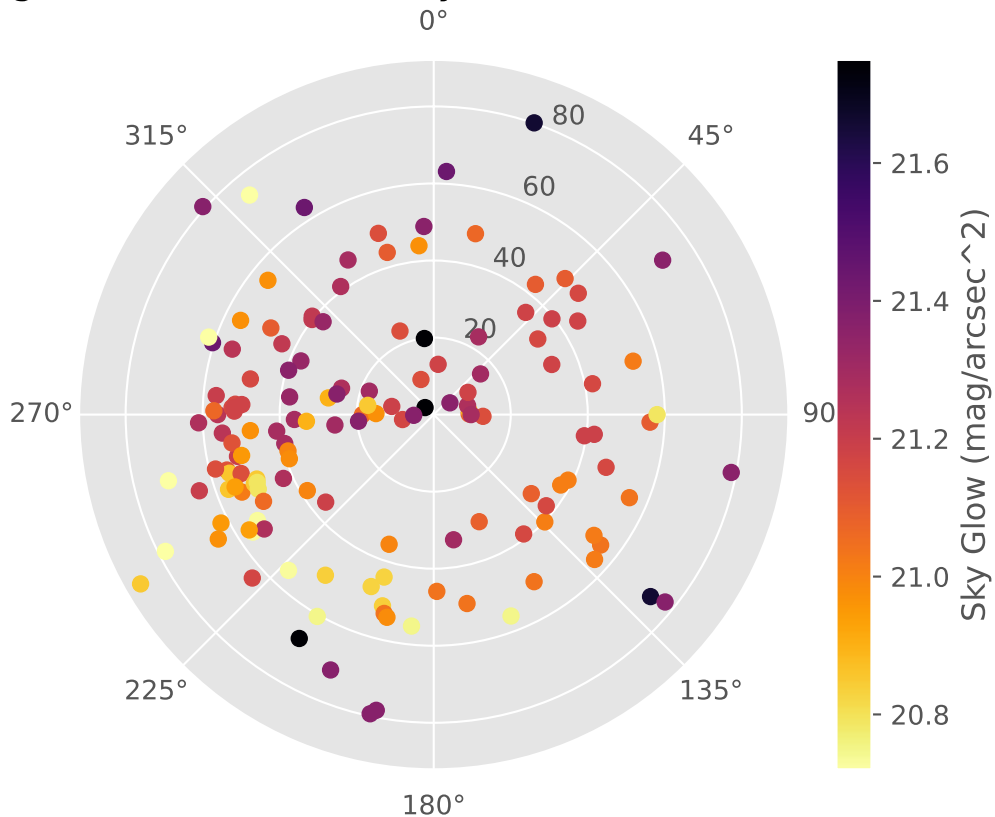
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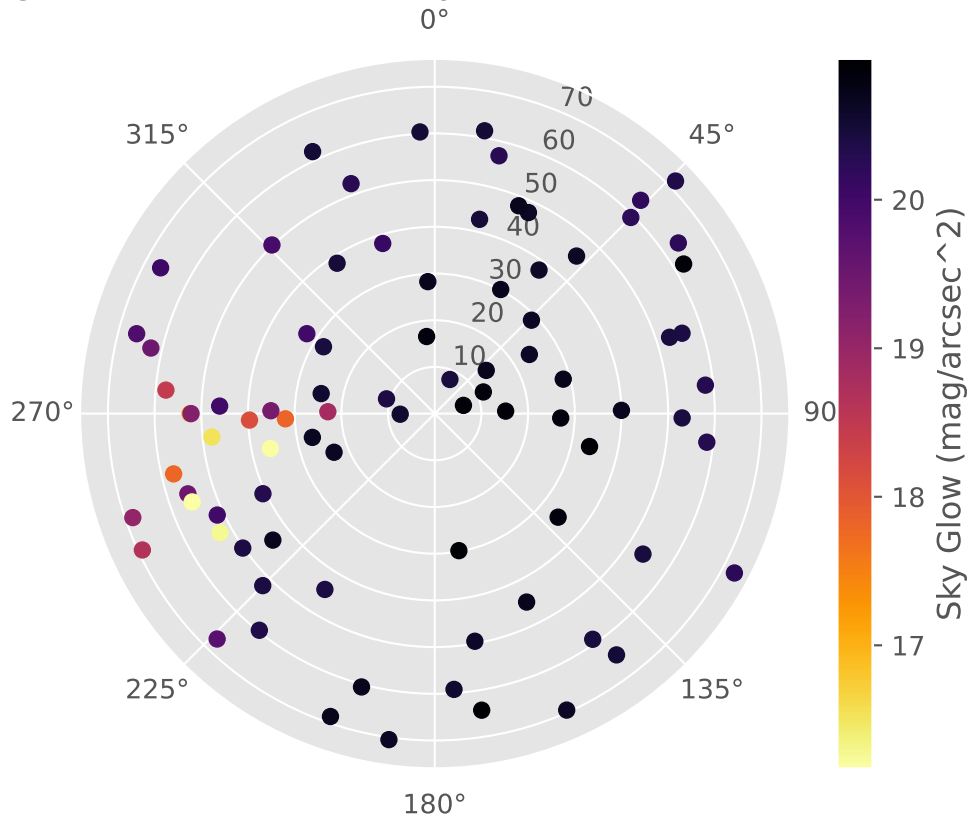
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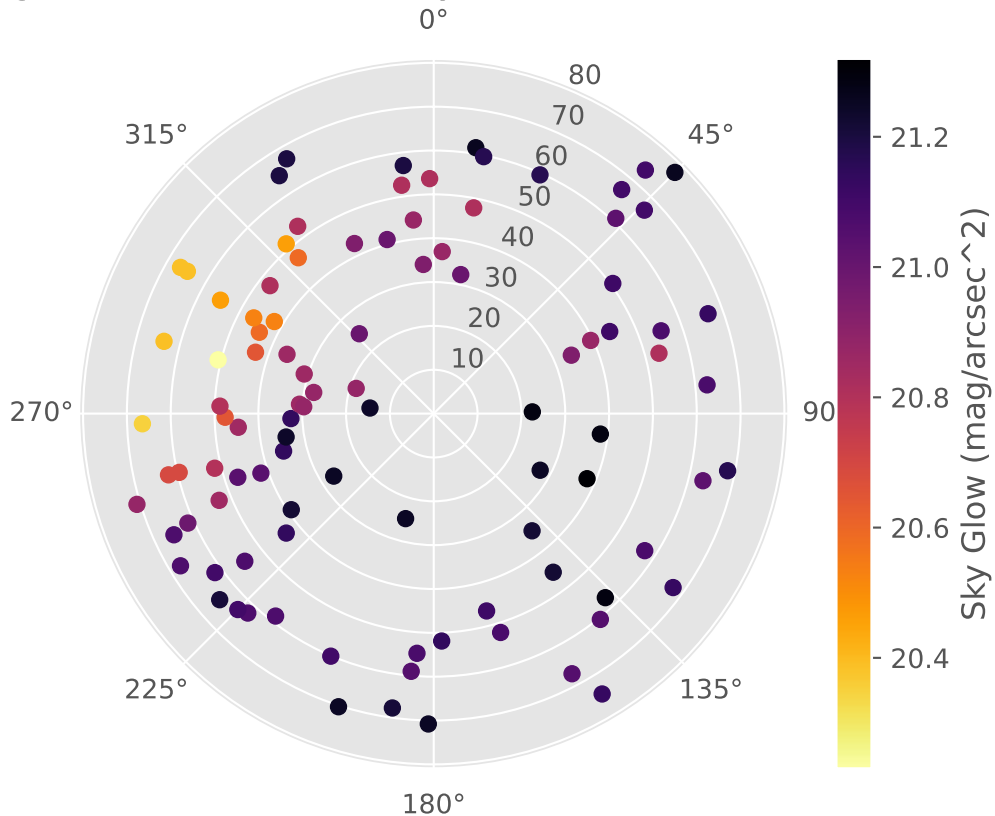
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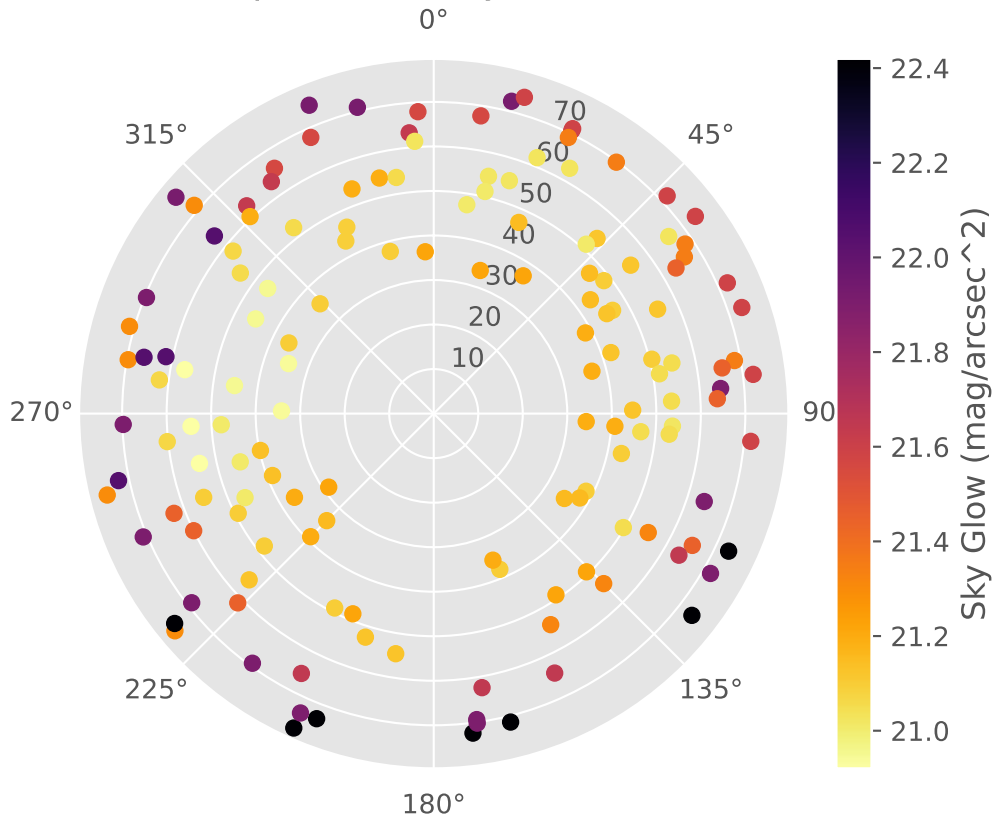
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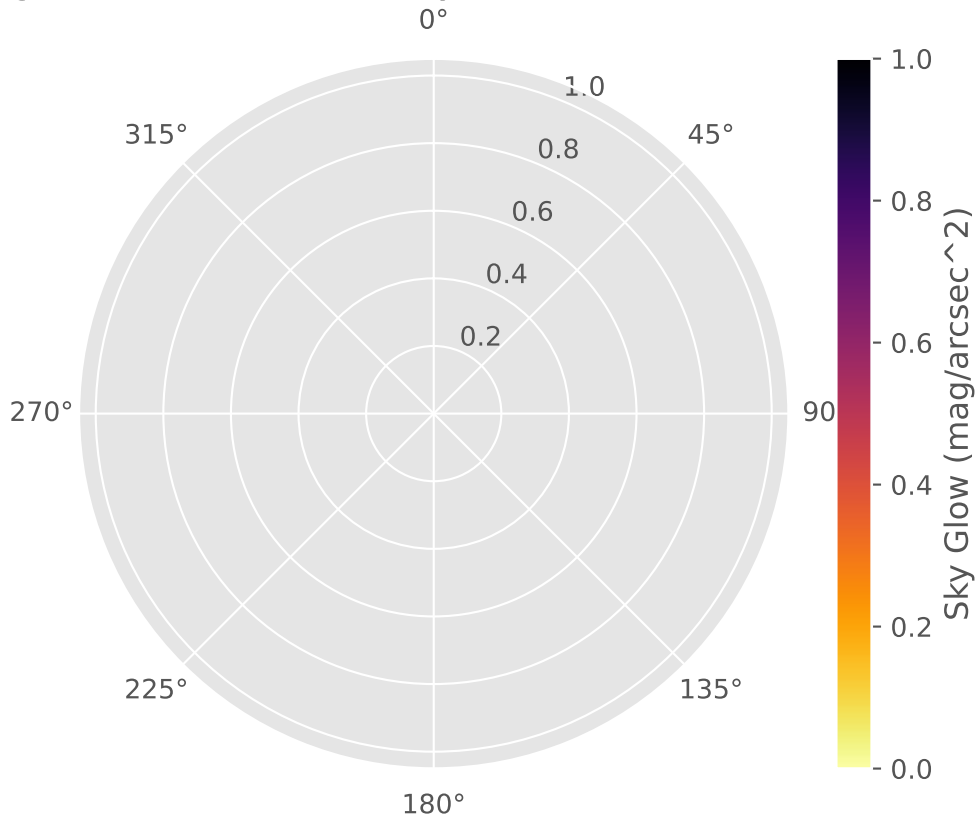
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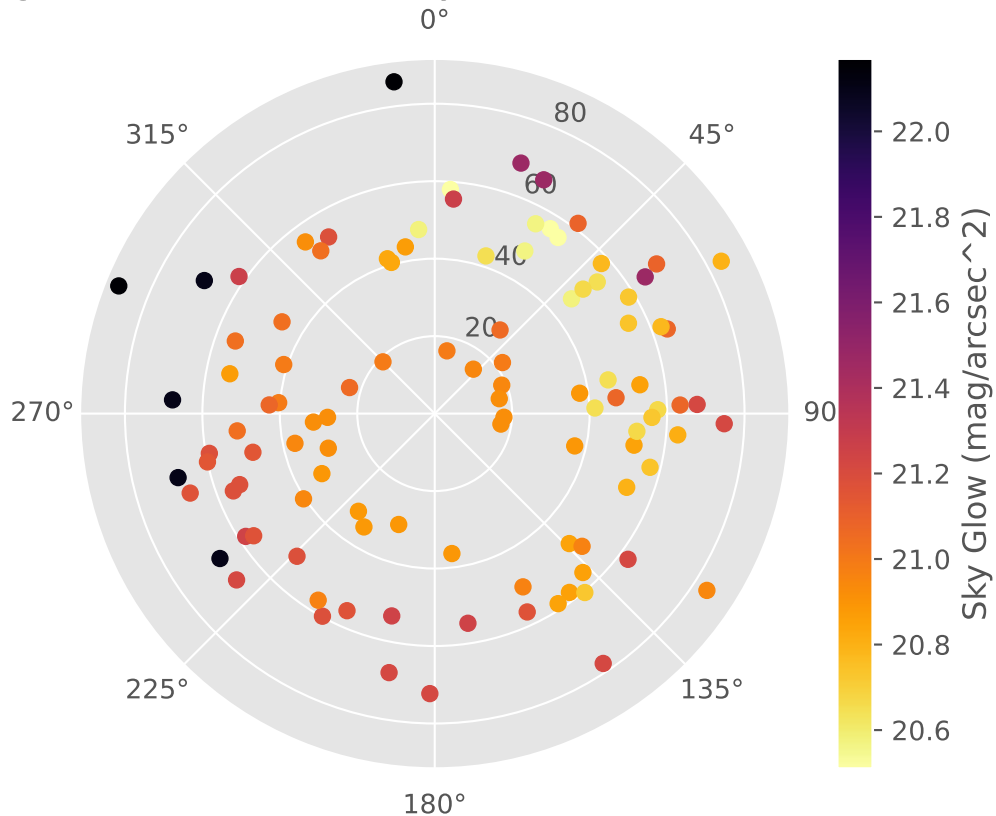
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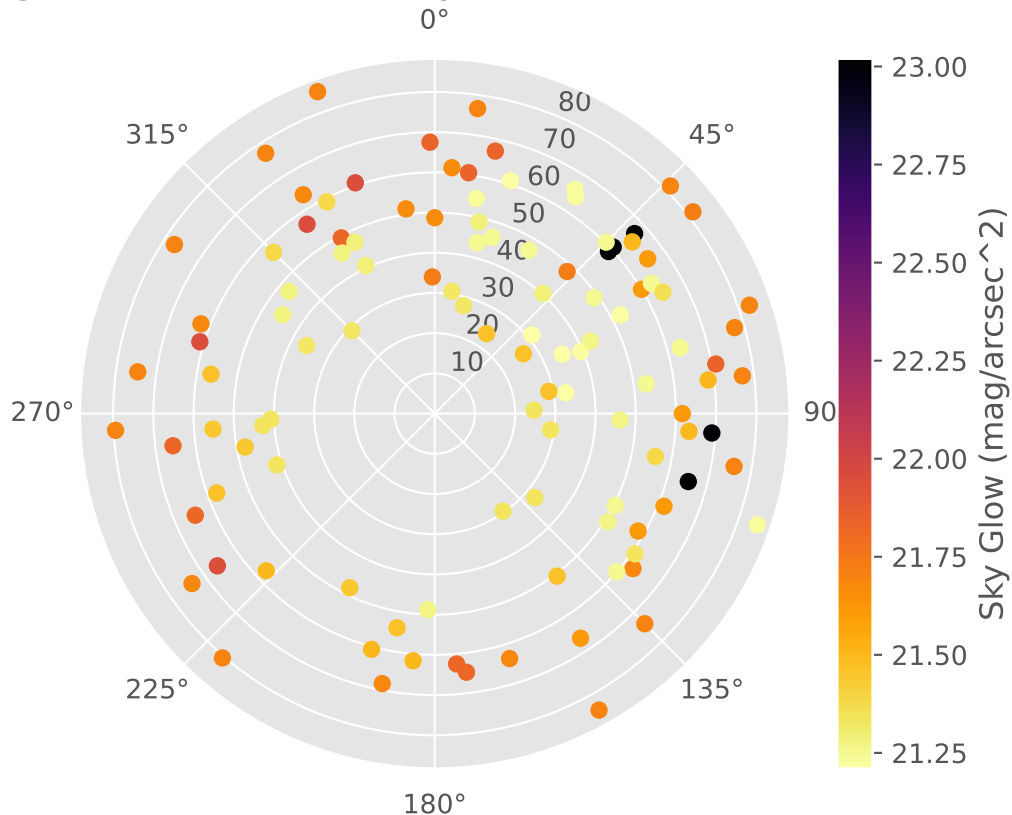
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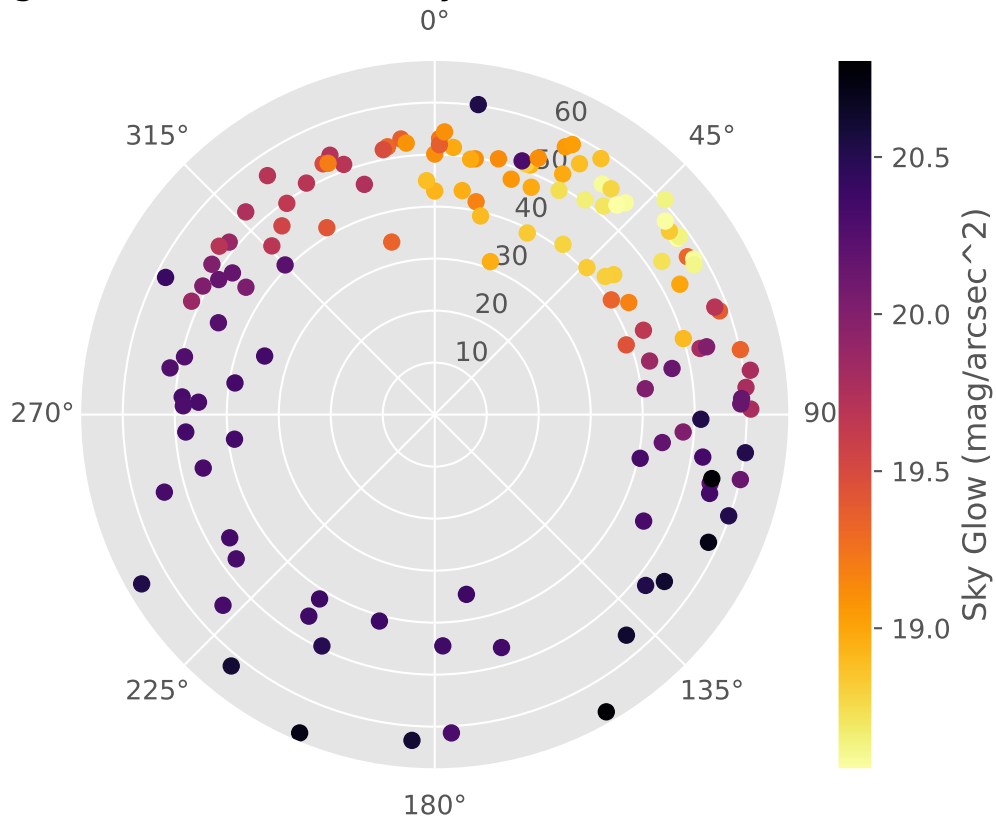
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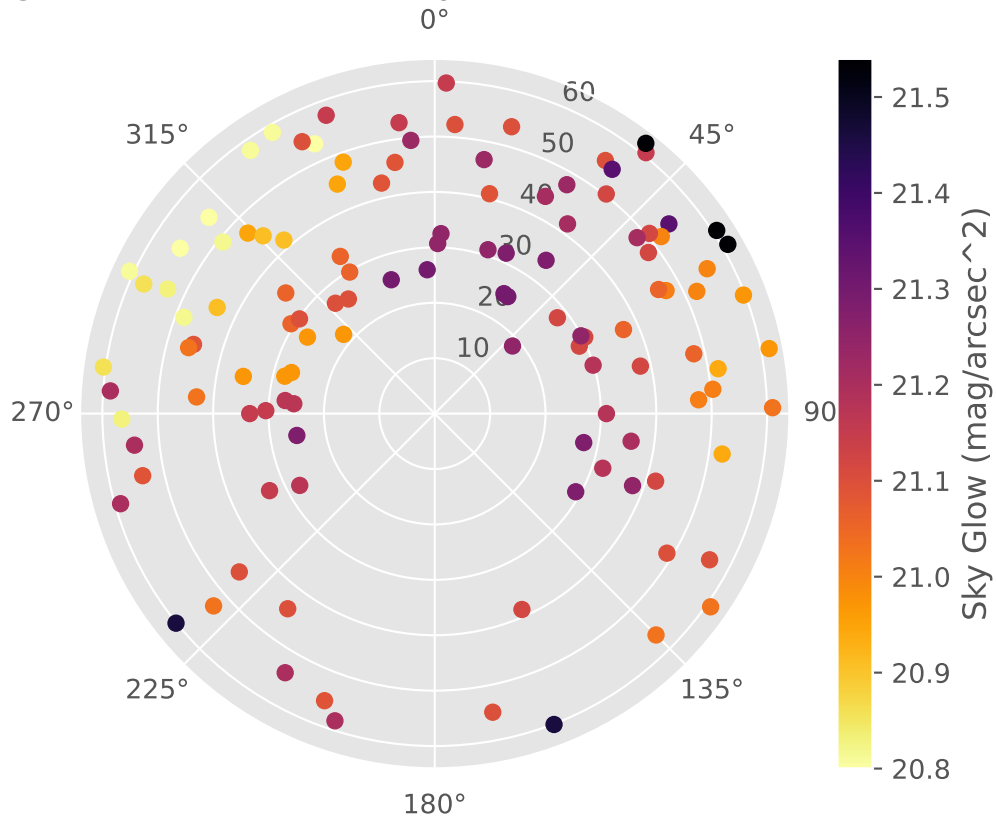
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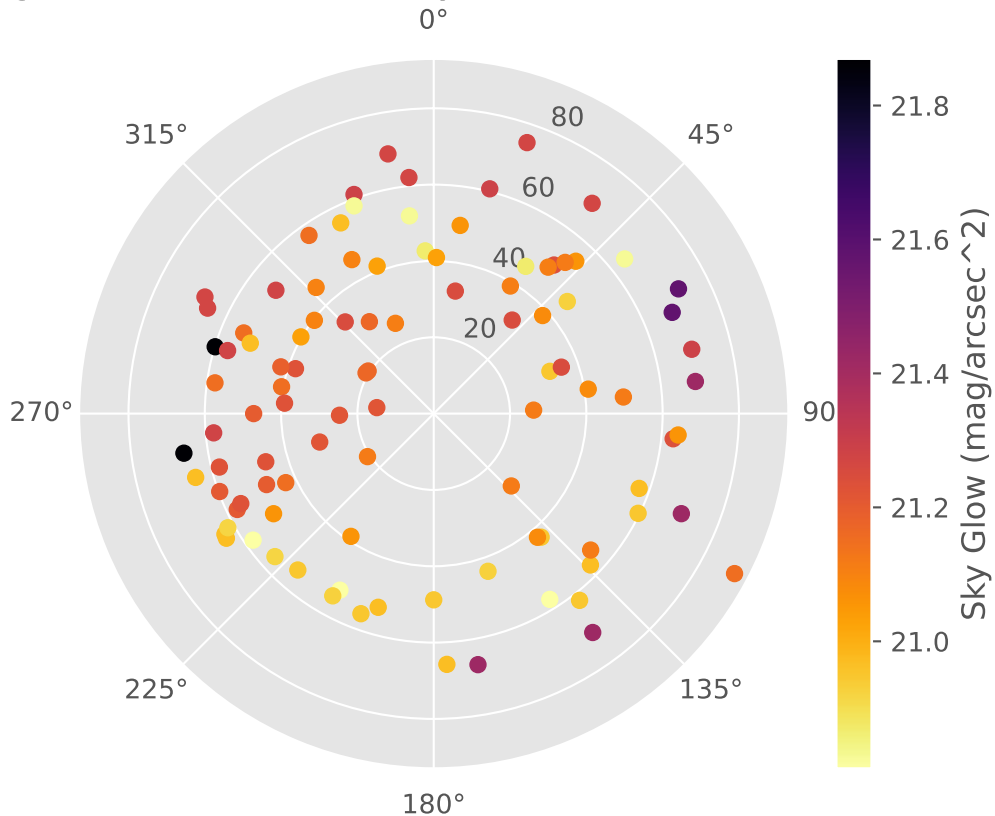
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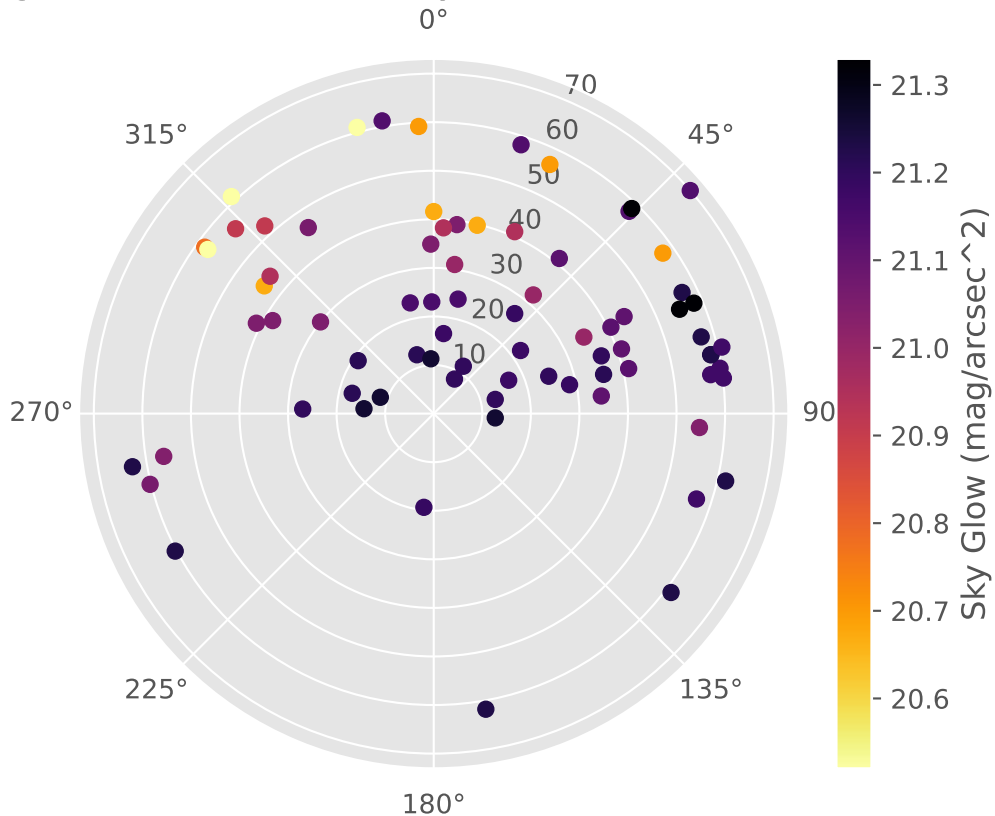
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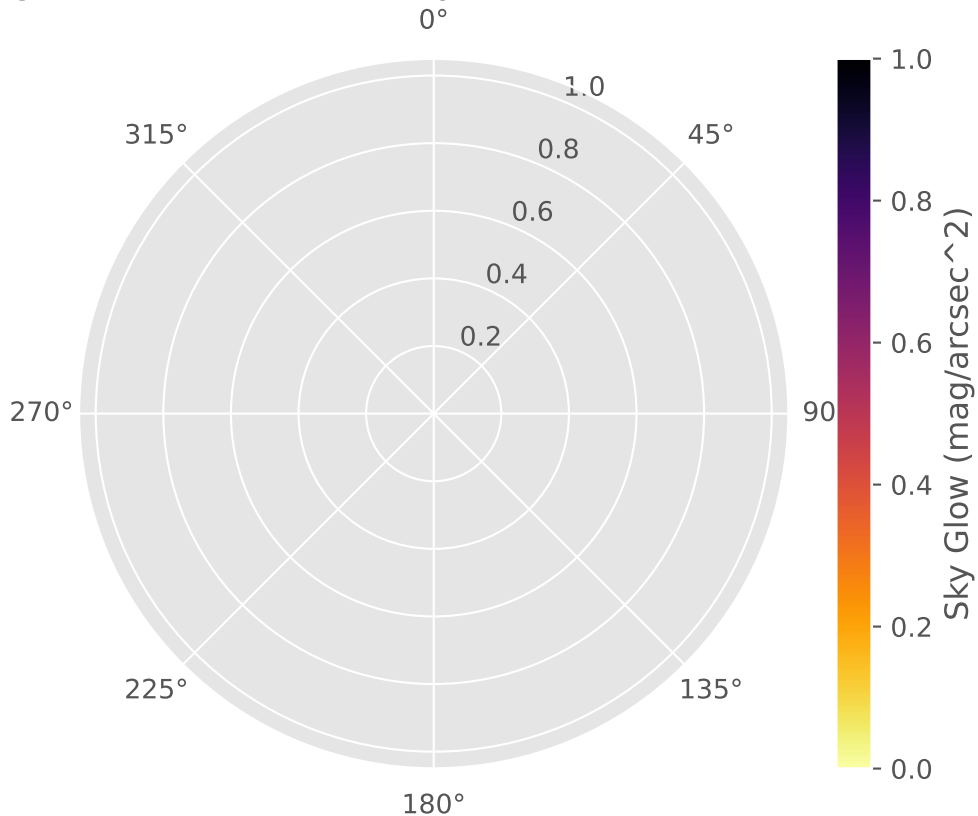
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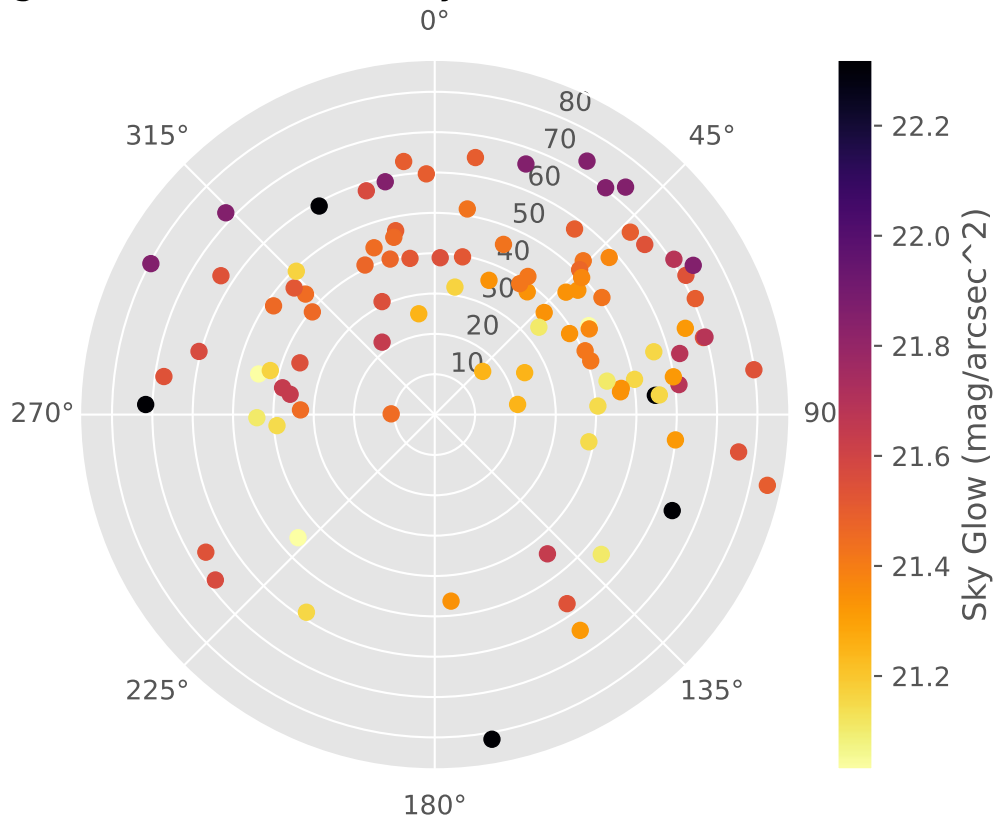
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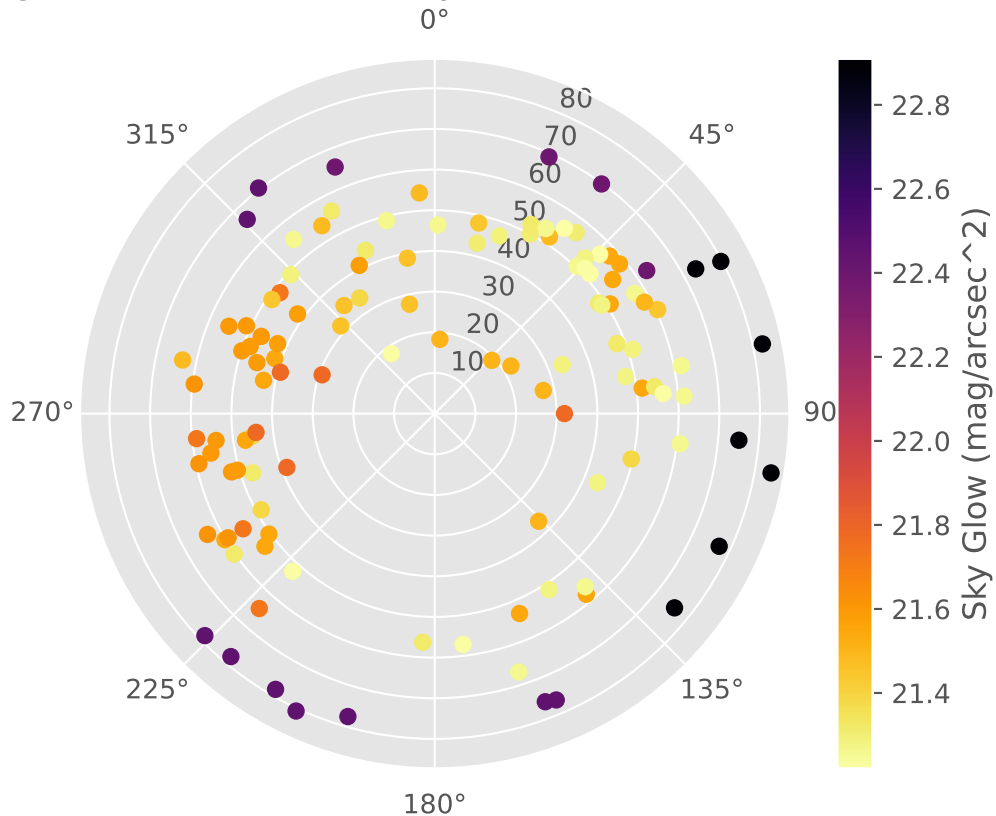
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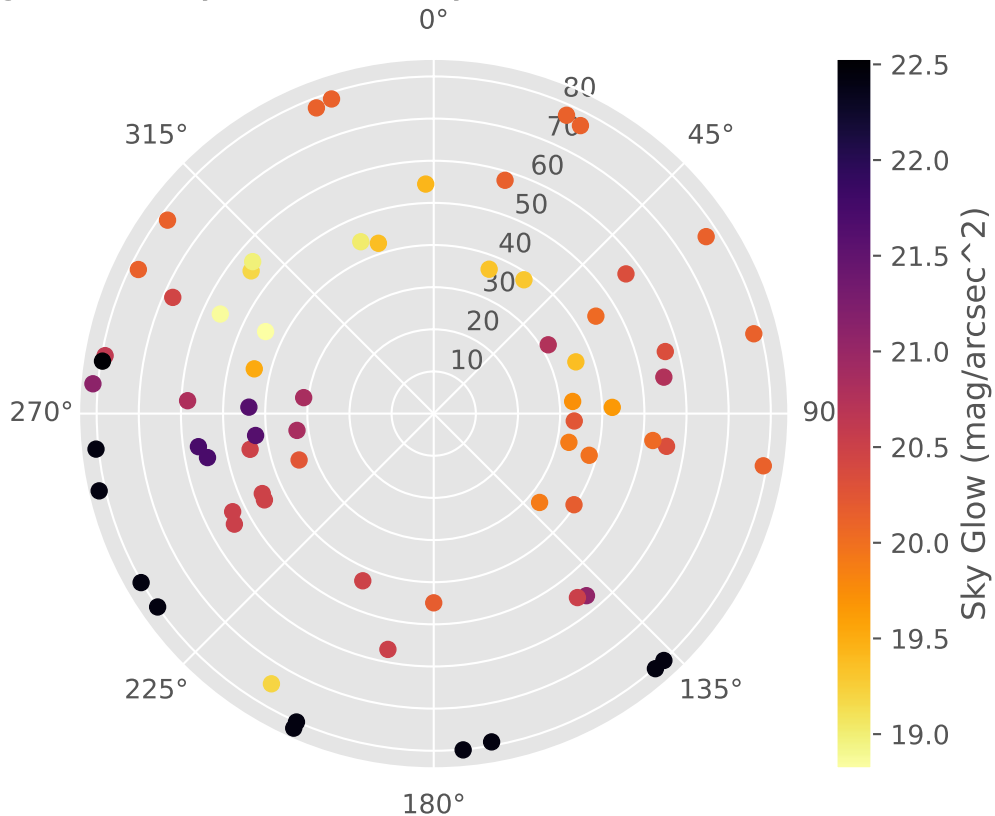
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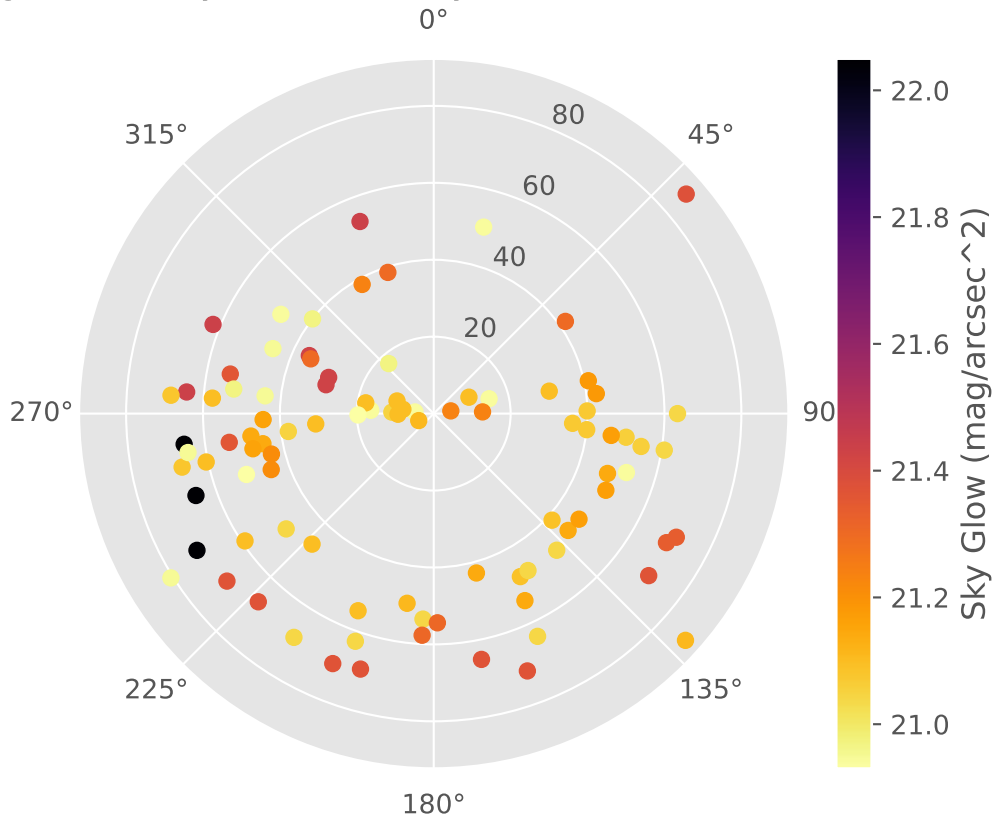
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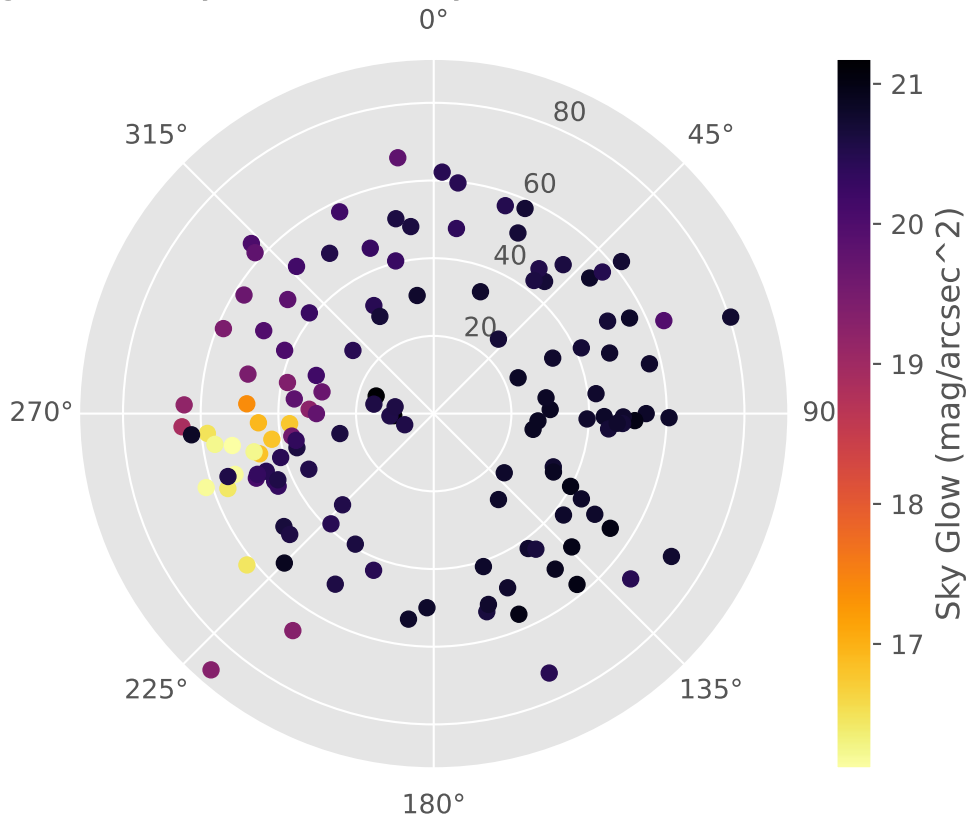
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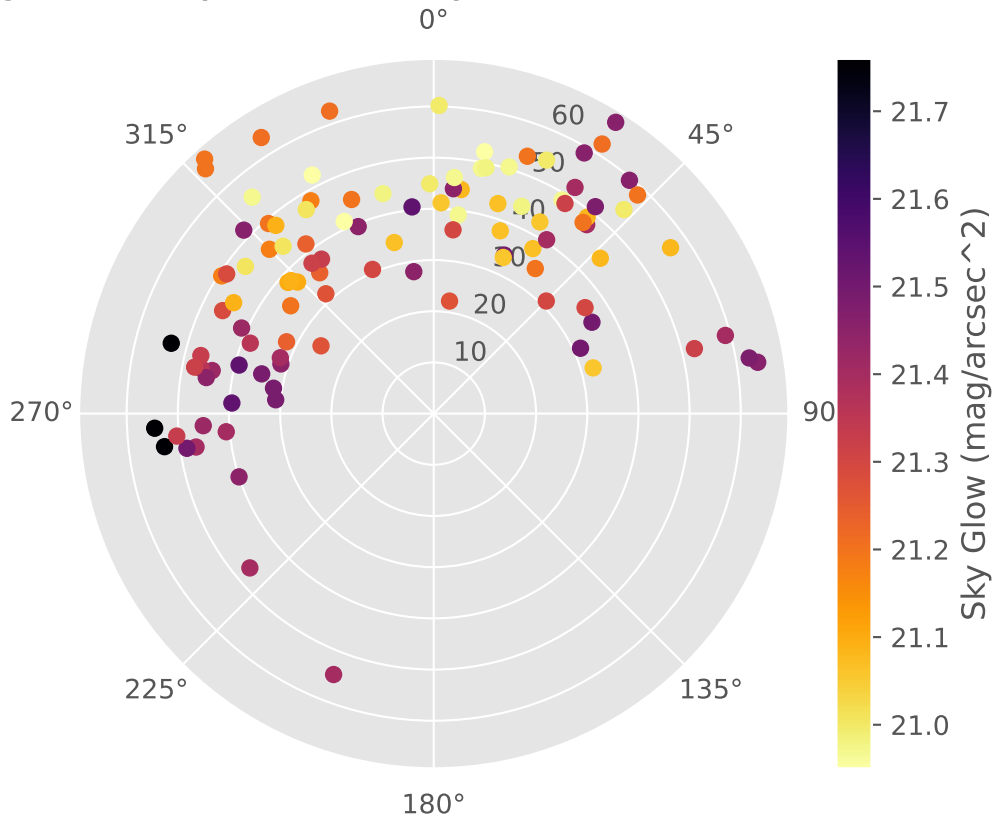
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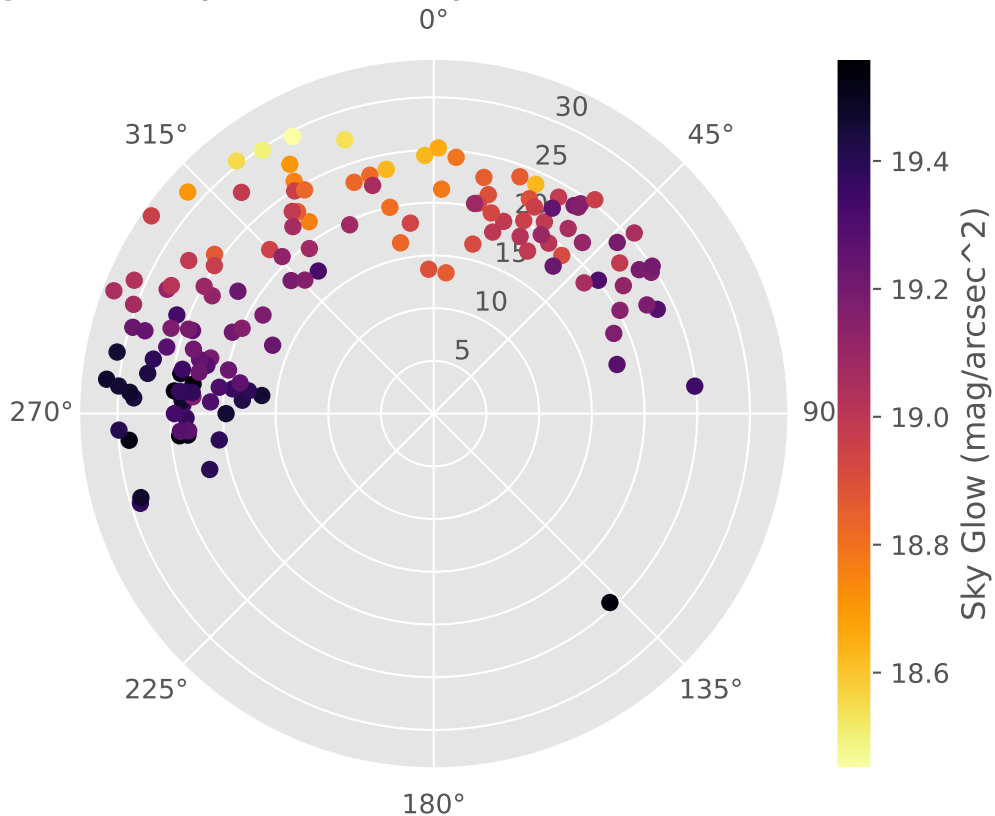
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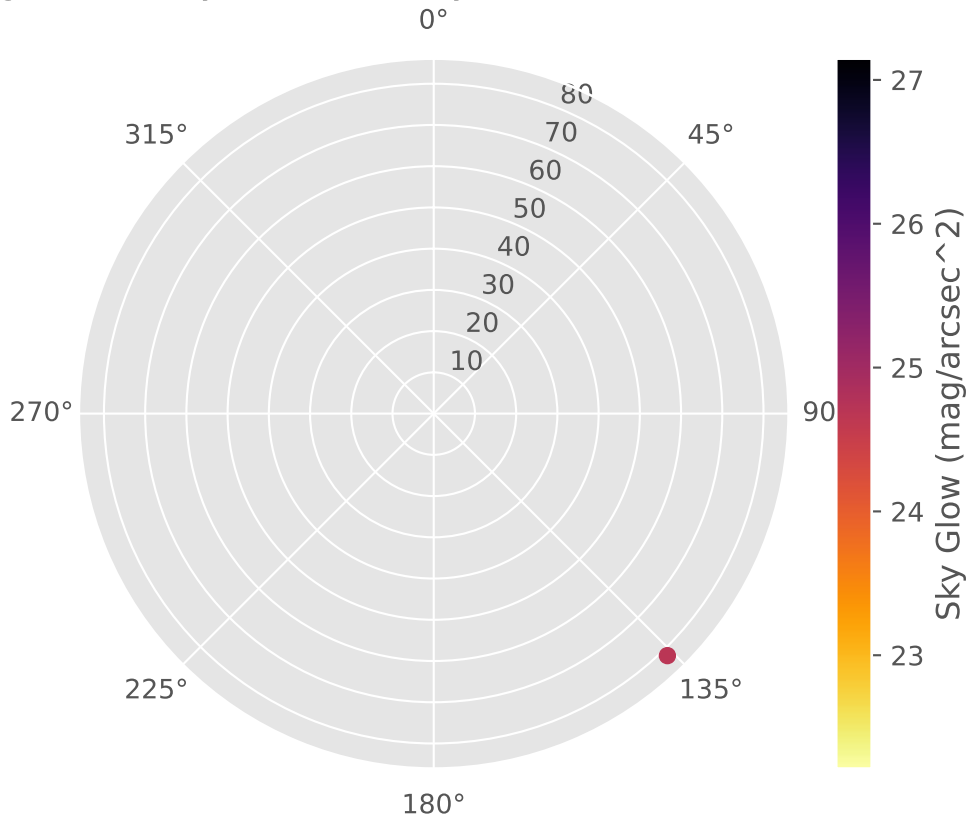
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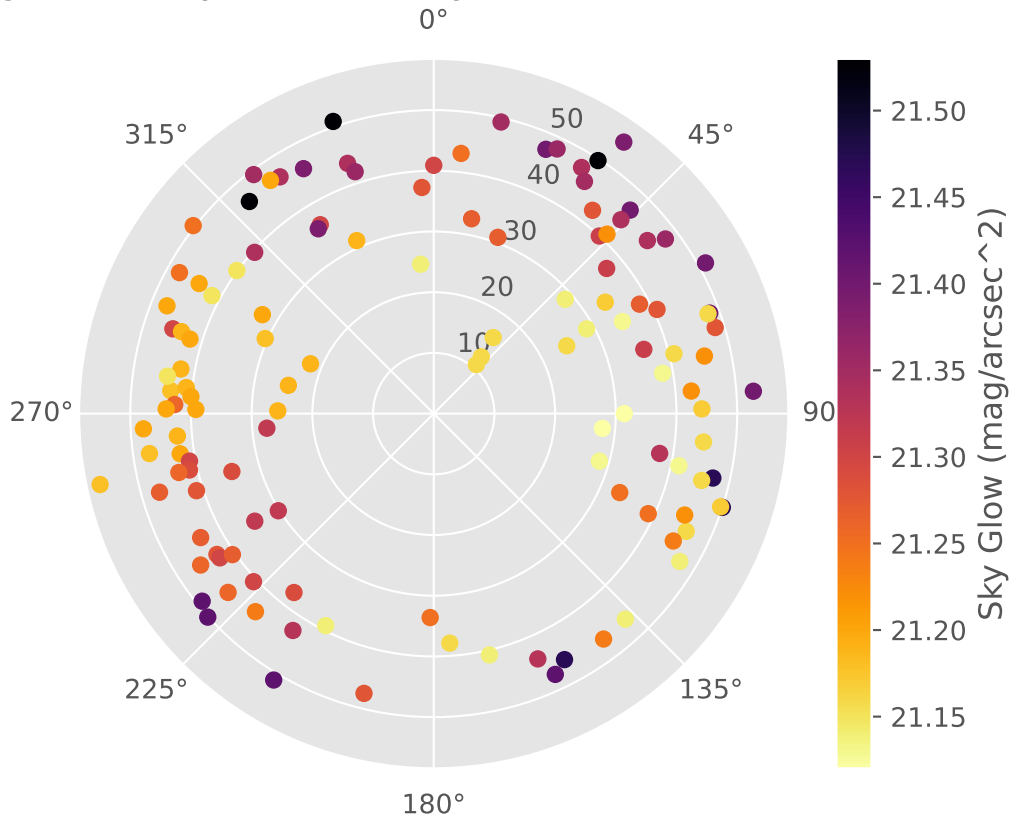
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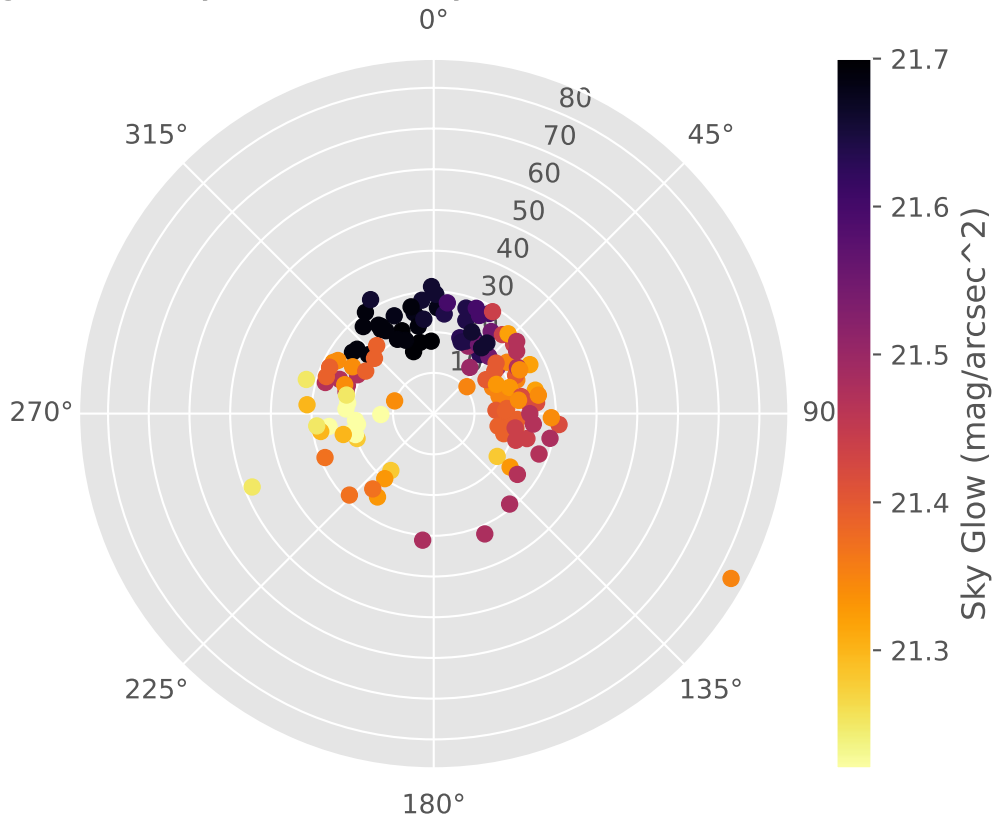
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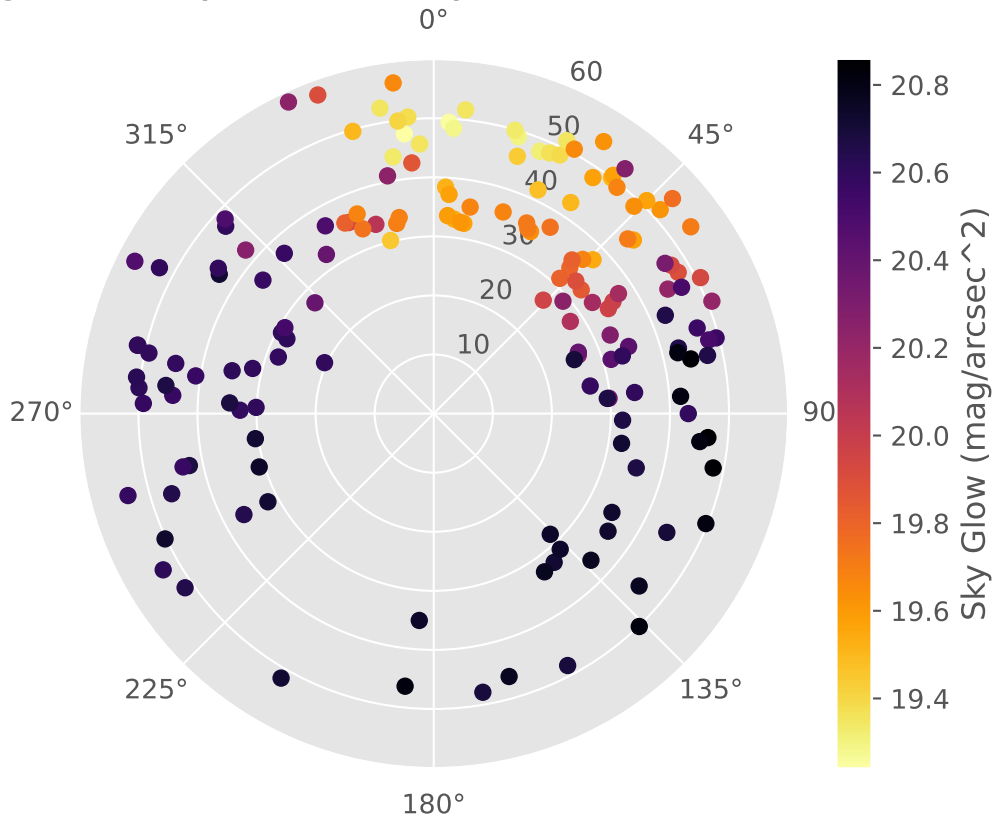
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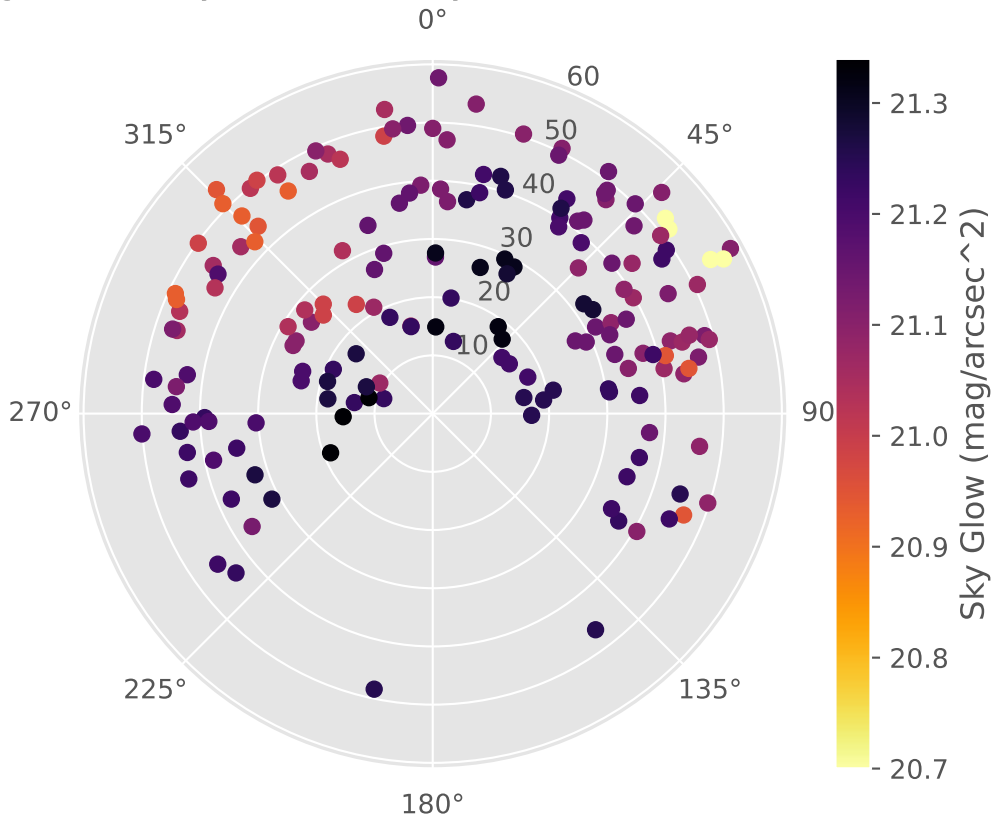
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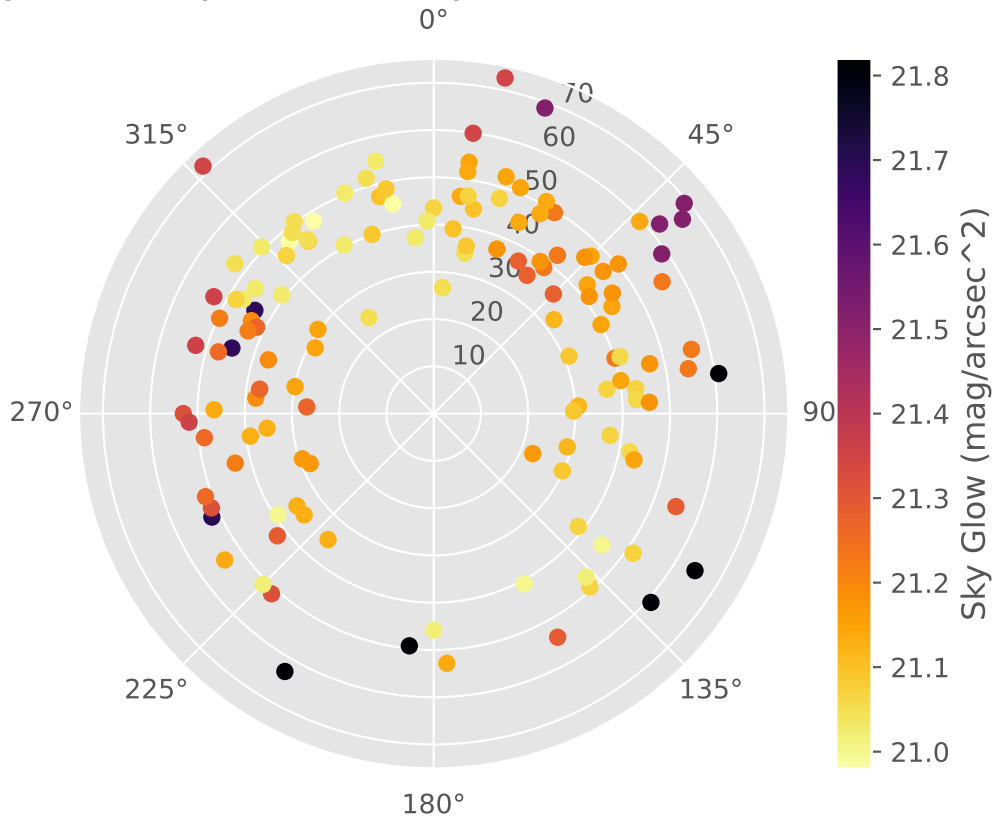
Light B - Tuzyk Station Sky Glow Plot for 2023-09



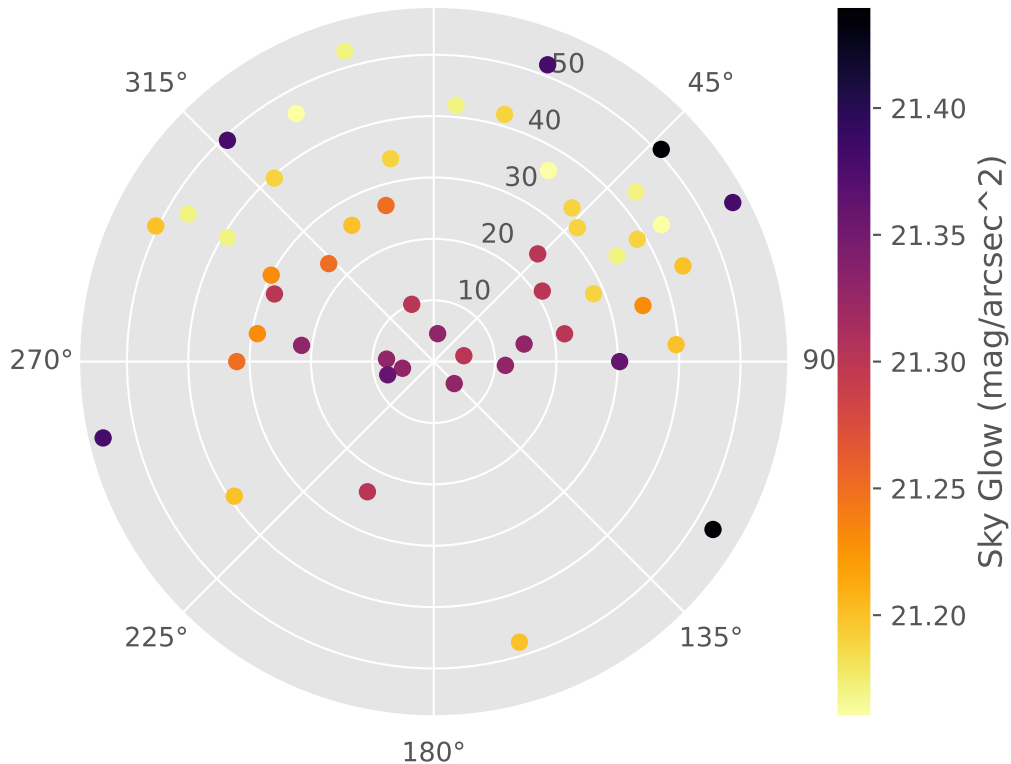
Light B - Tuzyk Station Sky Glow Plot for 2023-10



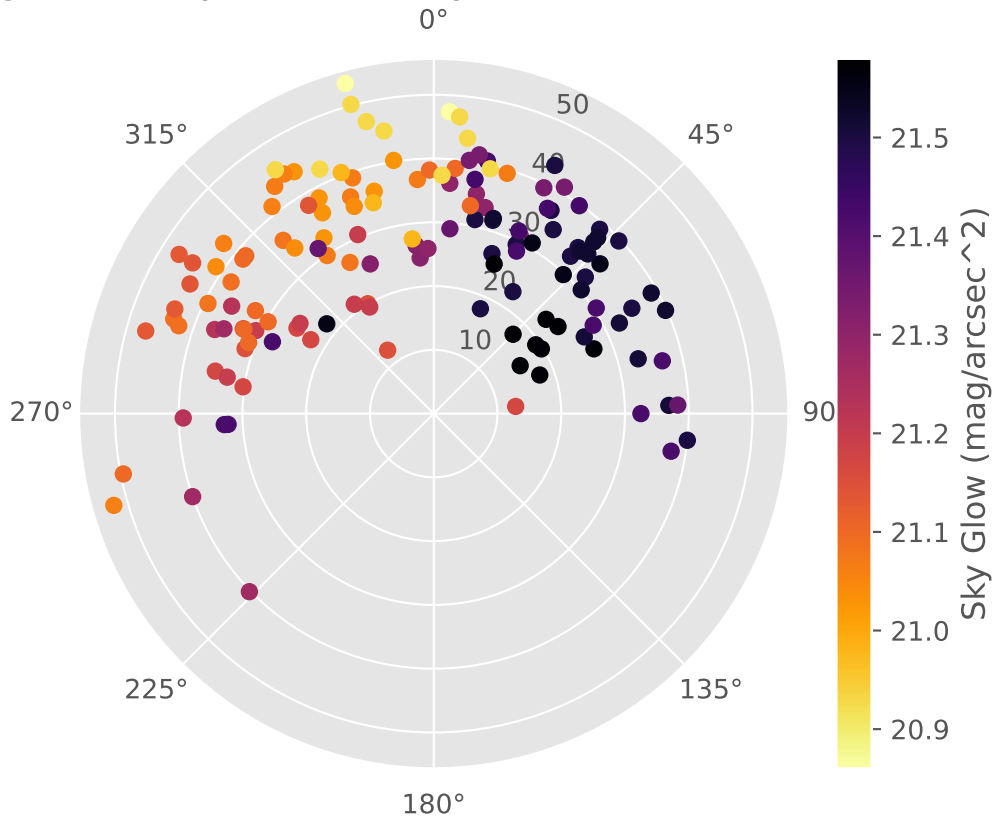
Light B - Tuzyk Station Sky Glow Plot for 2023-11



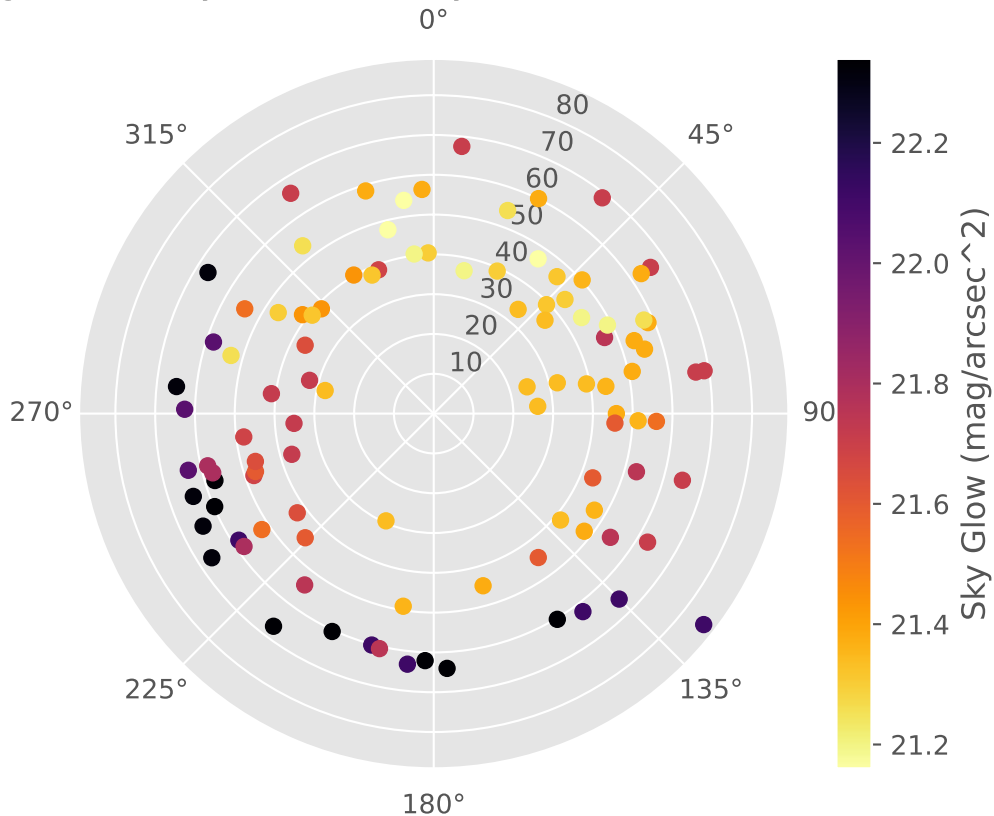
Light B - Tuzyk Station Sky Glow Plot for 2023-12



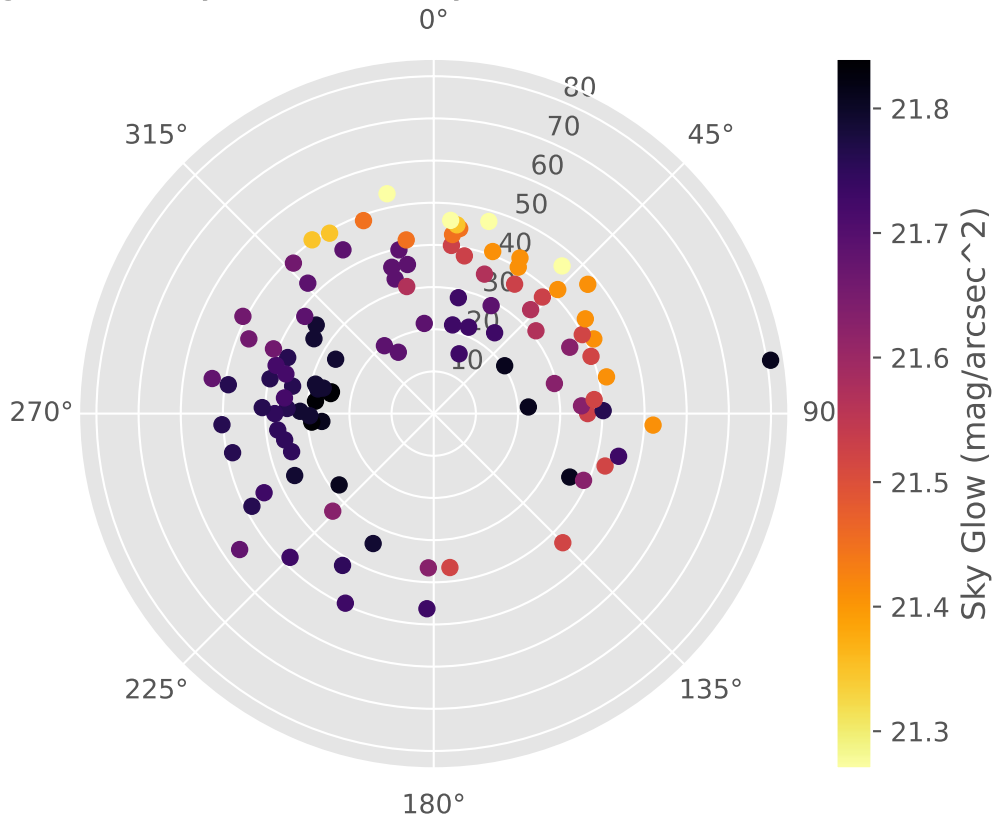
Light B - Tuzyk Station Sky Glow Plot for 2024-03



Light B - Tuzyk Station Sky Glow Plot for 2024-04



Light B - Tuzyk Station Sky Glow Plot for 2024-05



Appendix B

Predictive Night-Time Light Trespass Assessment Calculations



Table B1: Lighting Output by Source Group
Great Bear Project

Source Type	Proxy Brand/Model	No. of Lights/Source	Assumed Lights Power (watts/light)	Estimated Luminous Efficacy Equivalent	Total Source Type Lighting Power	Total Source Lighting Output															
					(watts)	(lumens)	TMF_DAMS	LP_PIT	MRS	OVB1	OVB2	OVB3	OVB4	OVB5	LGO1	LGO2	CAMP	ENTR	CP	HF	PLANT
	Brand/Model	No. of Lights/Source	Assumed Light P	Est Luminous Efficacy Equivalent	Total Source Type Lighting Power	Total Source Lighting Output	TMF_DAMS	LP_PIT	MRS	OVB1	OVB2	OVB3	OVB4	OVB5	LGO1	LGO2	CAMP	ENTR	CP	HF	PLANT
Polemount Lights / Lighting Plant	—	1	100	naturaLED SAL (100W)	100	5,750	16	—	—	—	—	—	—	—	—	—	30	2	4	10	253
Mobile Floodlights	Magnum MLT3060M	—	—	MLT3060M Floodlight Spec.	—	70,356	4	10	5	2	2	2	2	2	2	2	—	—	—	—	—
Track Dozer	CAT D10T	8	65	HID (Low-Watt) System	520	27,040	5	—	3	1	1	1	1	1	1	1	—	—	—	—	—
Motor Grader	CAT 16M	8	65	HID (Low-Watt) System	520	27,040	2	5	2	1	1	1	1	1	1	1	—	—	—	—	—
Blue Bird School Bus Shuttle	—	2	65	HID (Low-Watt) System	130	6,760	—	—	—	—	—	—	—	—	—	—	15	—	—	—	15
Light Pickup Truck	e.g., F150	2	55	HID (Low-Watt) System	110	5,720	5	20	3	2	2	2	2	2	2	2	30	—	—	5	30
Ambulance	Medium Conventional	2	55	HID (Low-Watt) System	110	5,720	—	1	—	—	—	—	—	—	—	—	1	—	—	—	1
Dozer D6 EX	D6 EX	4	65	LED A19 Lamp (Dimmable, 2700 K)	260	13,000	4	5	—	—	—	—	—	—	—	—	—	—	—	—	—
Dozer D8	D8	4	65	HID (Low-Watt) System	260	13,520	3	2	1	1	1	1	1	1	1	1	—	—	—	—	—
Dozer D6	D6	4	65	LED A19 Lamp (Dimmable, 2700 K)	260	13,000	3	3	1	1	1	1	1	1	1	1	—	—	—	—	—
Excavator 1	336 CAT	4	65	LED A19 Lamp (Dimmable, 2700 K)	260	13,000	3	1	1	1	1	1	1	1	1	1	—	—	—	—	—
Tandem Truck	TBD	2	55	HID (Low-Watt) System	110	5,720	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Articulated Trucks	CAT 740 EJ	6	55	HID (Low-Watt) System	330	17,160	5	1	1	1	1	1	1	1	1	1	—	—	—	—	—
Skidder	JD 640L	4	55	HID (Low-Watt) System	220	11,440	2	—	—	—	—	—	—	—	—	—	—	—	—	—	2
Flat Bed / Boom Truck	TBD	2	55	HID (Low-Watt) System	110	5,720	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
50 tonne truck	TBD	2	55	HID (Low-Watt) System	110	5,720	—	8	2	1	1	1	1	1	1	1	—	—	—	—	—
Fuel/Lube Trucks	TBD	2	55	HID (Low-Watt) System	110	5,720	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1
Haul Truck 2	CAT 777F	8	65	Halogen A19	520	5,200	—	12	3	1	1	1	1	1	1	1	—	—	—	—	—
Haul Truck 3	CAT 785	8	65	LED A19 Lamp (Dimmable, 2700 K)	520	26,000	—	18	3	1	1	1	1	1	1	1	—	—	—	—	—
Shovel 16.5 m3	CAT 6030	4	65	LED A19 Lamp (Dimmable, 2700 K)	260	13,000	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Shovel 12.0 m3	CAT 6020	4	65	LED A19 Lamp (Dimmable, 2700 K)	260	13,000	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—
Shovel 10.0 m3	CAT 6015	5	65	LED A19 Lamp (Dimmable, 2700 K)	325	16,250	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Front End Loader	CAT 993	4	65	Halogen A19	260	2,600	—	3	2	1	1	1	1	1	1	1	—	—	—	—	—
Production Drill	Epiroc Pit Viper PV235	6	65	Halogen A19	390	3,900	—	6	—	—	—	—	—	—	—	—	—	—	—	—	—
Primary Drill	140mm SmartRoc D65	4	47	LED A19 Lamp (Dimmable, 2700 K)	188	9,400	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—
Front End Loader (smaller)	CAT 966	4	65	Halogen A19	260	2,600	1	4	2	1	1	1	1	1	1	1	—	—	—	—	—
Forklift	Cat DP40-55(C)N3, 5.5 tonne	4	65	LED A19 Lamp (Dimmable, 2700 K)	260	13,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5
50t Mobile Crane	Tadano GR-500XL	4	65	LED A19 Lamp (Dimmable, 2700 K)	260	13,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3
Wheel Dozer	CAT 844 RTD	4	65	Halogen A19	260	2,600	—	2	—	—	—	—	—	—	—	—	—	—	—	—	2
Excavator 2	CAT 374	4	65	LED A19 Lamp (Dimmable, 2700 K)	260	13,000	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Truck	TBD	2	55	HID (Low-Watt) System	110	5,720	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1
Skid Steer	Bobcat S650	4	65	HID (Low-Watt) System	260	13,520	—	—	—	—	—	—	—	—	—	—	2	—	—	—	2
TLB	Cat 422F2	8	65	Halogen A19	520	5,200	—	2	—	—	—	—	—	—	—	—	—	—	—	—	2
Container Trailer Truck	TBD	2	55	HID (Low-Watt) System	110	5,720	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2
Flat Deck Truck	TBD	2	55	HID (Low-Watt) System	110	5,720	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2
Portable Water Truck	TBD	2	55	HID (Low-Watt) System	110	5,720	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2
Sewage Collection Truck	TBD	2	55	HID (Low-Watt) System	110	5,720	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1
High Cube Truck	Ford F-650® SD DIESEL	2	55	HID (Low-Watt) System	110	5,720	—	2	—	—	—	—	—	—	—	—	—	—	—	—	2
Integrated Tool Carrier	WA200-7	4	65	Halogen A19	260	2,600	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1
Lowboy and Tractor	75ton - 100ton	2	55	HID (Low-Watt) System	110	5,720	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1
Mechanics Truck	TBD	2	55	HID (Low-Watt) System	110	5,720	—	4	—	—	—	—	—	—	—	—	—	—	—	—	4
Snow Plow/Water Truck	T880	2	55	HID (Low-Watt) System	110	5,720	—	1	1	1	1	1	1	1	1	1	1	1	—	—	2
Tire Manipulator	WA-500-7	4	65	Halogen A19	260	2,600	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1
Blasters Truck	F350	2	55	HID (Low-Watt) System	110	5,720	1	1	—	—	—	—	—	—	—	—	—	—	—	—	1
Blasting Loader	CAT 262	4	65	Halogen A19	260	2,600	1	1	—	—	—	—	—	—	—	—	—	—	—	—	2
Backhoe 330	Backhoe 330	4	65	LED A19 Lamp (Dimmable, 2700 K)	260	13,000	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Production Backhoe	PC1250 (6.7m3)	3	65	HID (Low-Watt) System	195	10,140	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Production Loader	L-1350 (23m3)	4	65	HID (Low-Watt) System	260	13,520	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Rock Crusher	Sandvik UD211	4	65	HID (Low-Watt) System	260	13,520	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTAL (kilolumens)							979	1991	682	311	311	311	311	311	311	311	495	17	23	86	2022

Note: Where specifications were unavailable, lighting was assumed to be based an estimated equivalent number of 65W HID lights. Worst-case assumed to be headlights facing the receptors.

Wattage: Light Energy Input

Lumens: Light output

Lux: Light output per square meter scaled based on the sensitivity of the human eye to various wavelengths

Table B1: Lighting Output by Source Group
Great Bear Project

Assumptions:
Process small plant mobile equipment (e.g. manlift, forklifts etc.) are insignificant compared the other equipment
For conservatism, it is assumed that all equipment have been upgraded to low-wattage HID lights
The horizontal spread of the light cone of "Polemount Lights" is assumed, based on proxy spec. sheets, to be limited to 50 metres with a full cut-off fixture. It was assumed that there was a % of lumens escaping in the horizontal plane of:
The horizontal spread of the light cone of "Mobile Floodlight", assumed 30ft mast and 20 degree tilt, based on proxy spec. sheet, to be limited to 250 metres. It was assumed that there was a % of lumens escaping in the horizontal plane of:
The percent of vehicles pointing directly at each point of reception is:

5%
25%
50%

Group IDs and Descriptions:	
ID	Area Description
TMF_DAMS	Tailings Management Facility Dams
LP_PIT	LP Central in-pit sources
MRS	Mine Rock Stockpile
OVB1	Overburden Stockpile 1
OVB2	Overburden Stockpile 2
OVB3	Overburden Stockpile 3
OVB4	Overburden Stockpile 4
OVB5	Overburden Stockpile 5
LGO1	Low Grade Ore Stockpile 1
LGO2	Low Grade Ore Stockpile 2
CAMP	Camp
ENTR	Site Entrance and Sign
CP	Chukuni Pumphouse
HF	Headframe
PLANT	Plant, ROM, CRF, Portals, Service Area, and Roads

Table B2: Horizontal Receptor Distances from Light Groups
Great Bear Project

				LIGHT GROUP														
				TMF_DAMS	LP_PIT	MRS	OV81	OV82	OV83	OV84	OV85	LGO1	LGO2	CAMP	ENTR	CP	HF	PLANT
Points of Reception	UTMs, Zone 15U (metres)		Northing	5,636,242	5,634,076	5,636,015	5,635,327	5,635,911	5,636,327	5,637,613	5,635,529	5,635,058	5,635,098	5,637,283	5,638,265	5,633,671	5,634,298	5,635,171
	Northing	Easting	Easting	453,050	457,173	457,242	458,086	456,046	454,853	453,699	452,347	455,647	456,158	457,210	457,412	464,907	456,187	455,004
				Distance (m)														
	POR01	5639223	456965	4,921	5,151	3,219	4,054	3,437	3,584	3,641	5,914	4,369	4,203	1,955	1,057	9,690	4,986	4,502
	POR02	5635180	465624	12,619	8,523	8,423	7,539	9,606	10,832	12,170	13,282	9,978	9,467	8,673	8,772	1,671	9,478	10,620
	POR03	5635303	465611	12,596	8,527	8,399	7,525	9,585	10,806	12,134	13,266	9,967	9,455	8,631	8,717	1,777	9,478	10,608
	POR04	5639044	451915	3,023	7,234	6,128	7,204	5,184	4,002	2,287	3,542	5,460	5,794	5,580	5,552	14,060	6,385	4,954
	POR05	5630891	451671	5,527	6,358	7,570	7,800	6,659	6,300	7,022	4,687	5,760	6,151	8,459	9,346	13,526	5,657	5,425
	POR06	5634939	465139	12,159	8,013	7,970	7,063	9,145	10,379	11,748	12,806	9,493	8,983	8,268	8,412	1,289	8,975	10,138
	POR07	5631026	467085	14,973	10,370	11,035	9,973	12,071	13,331	14,918	15,411	12,128	11,661	11,690	12,081	3,426	11,379	12,772
	POR08	5639124	447866	5,931	10,588	9,878	10,903	8,788	7,526	6,026	5,745	8,779	9,218	9,524	9,585	17,893	9,619	8,159
	POR09	5639187	451051	3,559	7,975	6,956	8,025	5,973	4,758	3,081	3,881	6,178	6,542	6,447	6,428	14,914	7,091	5,635
	POR10	5640215	452237	4,055	7,878	6,534	7,623	5,748	4,686	2,985	4,688	6,183	6,447	5,773	5,531	14,261	7,114	5,753
	POR11	5640149	458555	6,751	6,229	4,338	4,845	4,926	5,321	5,479	7,739	5,864	5,592	3,166	2,204	9,073	6,312	6,115
	POR12	5642634	450762	6,789	10,693	9,263	10,346	8,551	7,518	5,817	7,280	9,015	9,269	8,379	7,957	16,746	9,946	8,584
	POR13	5641952	447708	7,819	12,314	11,232	12,313	10,297	9,094	7,398	7,923	10,515	10,881	10,588	10,381	19,090	11,423	9,961
	POR14	5641886	446385	8,733	13,318	12,343	13,414	11,359	10,130	8,471	8,715	11,507	11,899	11,763	11,606	20,262	12,395	10,926
	POR15	5642960	446675	9,261	13,753	12,645	13,729	11,726	10,530	8,828	9,348	11,956	12,318	11,967	11,719	20,462	12,865	11,403
	POR16	5645762	447897	10,825	14,920	13,503	14,585	12,785	11,722	10,004	11,159	13,215	13,489	12,595	12,114	20,870	14,147	12,754
	POR17	5646375	446102	12,286	16,548	15,213	16,300	14,435	13,325	11,597	12,515	14,805	15,109	14,355	13,917	22,695	15,734	14,310
	POR18	5635383	465476	12,456	8,405	8,258	7,390	9,445	10,665	11,986	13,130	9,835	9,323	8,482	8,563	1,805	9,353	10,475
	POR19	5642540	446876	8,819	13,329	12,249	13,330	11,315	10,111	8,416	8,893	11,528	11,897	11,594	11,370	20,094	12,434	10,971
	POR20	5642109	447444	8,114	12,617	11,538	12,619	10,602	9,398	7,703	8,205	10,817	11,184	10,893	10,684	19,395	11,723	10,261
	POR21	5637216	447961	5,181	9,732	9,358	10,300	8,189	6,949	5,752	4,699	7,983	8,466	9,249	9,509	17,313	8,728	7,333
	POR22	5628897	469646	18,149	13,505	14,301	13,228	15,302	16,554	18,173	18,527	15,295	14,845	14,999	15,409	6,726	14,503	15,930
	POR23	5623932	469091	20,221	15,651	16,923	15,841	17,711	18,877	20,593	20,368	17,451	17,086	17,872	18,489	10,599	16,552	18,021
	POR24	5630691	470572	18,381	13,820	14,354	13,319	15,436	16,699	18,237	18,857	15,551	15,073	14,900	15,184	6,401	14,831	16,200
	POR26	5631399	467430	15,174	10,601	11,185	10,136	12,246	13,508	15,071	15,639	12,338	11,864	11,793	12,145	3,395	11,611	12,986
	POR27	5623627	468788	20,170	15,623	16,934	15,856	17,699	18,854	20,574	20,297	17,417	17,062	17,904	18,539	10,767	16,513	17,980
	POR28	5635052	465478	12,485	8,362	8,292	7,397	9,471	10,701	12,054	13,140	9,831	9,320	8,564	8,682	1,494	9,322	10,475
	POR29	5643902	447525	9,444	13,771	12,515	13,604	11,682	10,540	8,813	9,662	12,008	12,330	11,731	11,381	20,170	12,933	11,496

Table B3: Illuminance Contribution by Light Group at Receptors
Great Bear Project

Points of Reception	UNATTENUATED ILLUMINANCE (lux)															Line-of-Sight ¹															Project Total	Cumulative Light Trespass					
	TMF_DAMS	LP_PIT	MRS	OVB1	OVB2	OVB3	OVB4	OVB5	LGO1	LGO2	CAMP	ENTR	CP	HF	PLANT	TMF_DAMS	LP_PIT	MRS	OVB1	OVB2	OVB3	OVB4	OVB5	LGO1	LGO2	CAMP	ENTR	CP	HF	PLANT		Representative Baseline Location	Existing Illuminance (lux)	Cumulative Illuminance (lux)	Cumulative CIE Class	Background CIE Class	Mitigation Needed? ²
POR01	0.04	0.08	0.07	0.02	0.03	0.02	0.02	0.01	0.02	0.02	0.13	0.02	0.00	0.00	0.10	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light B	0.002	0.002	E1	E1	No
POR02	0.01	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.02	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light C	0.001	0.001	E1	E1	No	
POR03	0.01	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.02	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light C	0.001	0.001	E1	E1	No	
POR04	0.11	0.04	0.02	0.01	0.01	0.02	0.06	0.02	0.01	0.01	0.02	0.00	0.00	0.00	0.08	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	0.082	Light A	0.002	0.084	E1	E1	No	
POR05	0.03	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.07	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light D	0.001	0.001	E1	E1	No	
POR06	0.01	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.02	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light C	0.001	0.001	E1	E1	No	
POR07	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light C	0.001	0.001	E1	E1	No	
POR08	0.03	0.02	0.01	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.03	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light A	0.002	0.002	E1	E1	No	
POR09	0.08	0.03	0.01	0.00	0.01	0.01	0.03	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.06	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	0.096	Light A	0.002	0.098	E1	E1	No	
POR10	0.06	0.03	0.02	0.01	0.01	0.01	0.03	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.06	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light A	0.002	0.002	E1	E1	No	
POR11	0.02	0.05	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.00	0.00	0.00	0.05	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light B	0.002	0.002	E1	E1	No	
POR12	0.02	0.02	0.01	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.03	Yes	No	Yes	No	No	No	No	Yes	No	No	No	No	No	Yes	0.063	Light A	0.002	0.064	E1	E1	No	
POR13	0.02	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light A	0.002	0.002	E1	E1	No	
POR14	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light A	0.002	0.002	E1	E1	No	
POR15	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	0.004	Light A	0.002	0.006	E1	E1	No	
POR16	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light A	0.002	0.002	E1	E1	No	
POR17	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light A	0.002	0.002	E1	E1	No	
POR18	0.01	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.02	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light C	0.001	0.001	E1	E1	No	
POR19	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light A	0.002	0.002	E1	E1	No	
POR20	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light A	0.002	0.002	E1	E1	No	
POR21	0.04	0.02	0.01	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.04	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light A	0.002	0.002	E1	E1	No	
POR22	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	No	No	Yes	No	No	No	No	No	No	No	No	No	Yes	No	0.004	Light C	0.001	0.005	E1	E1	No	
POR23	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	No	No	Yes	No	No	No	No	No	No	No	No	No	Yes	No	0.003	Light C	0.001	0.004	E1	E1	No	
POR24	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light C	0.001	0.001	E1	E1	No	
POR26	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light C	0.001	0.001	E1	E1	No	
POR27	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	No	No	Yes	No	No	No	No	No	No	No	No	Yes	No	0.003	Light C	0.001	0.004	E1	E1	No		
POR28	0.01	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.02	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light C	0.001	0.001	E1	E1	No	
POR29	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	No	No	No	No	No	No	No	No	No	No	No	No	No	No	0.000	Light A	0.002	0.002	E1	E1	No	

Notes

¹ Based on March 18, 2025 viewshed analysis

² Mitigation may be needed where a CIE Lighting Zone greater than E1 is predicted along with line-of-sight.

**Table B4: Luminous Efficacy
Great Bear Project**

Source Lighting Description	Luminous Efficacy* (lumen/watt)	Source
LED A19 Lamp (Dimmable, 2700 K)	100	U.S. Department of Energy (US DOE). 2017. Solid-State Lighting - 2017 Suggested Research Topics Supplement: Technology and Market Context (Tables 2.1 and 2.2)
LED PAR38 Lamp (3000 K)	88	
LED T8 Tube (4000 K)	149	
LED 6" Downlight (3000 K)	86	
LED Troffer 2' x 4' (3500 K)	129	
LED High/Low-Bay Fixture (4000 K)	136	
LED Street Light (5000 K)	118	
OLED Luminaire (3000 K)	—	
Incandescent A19	15	
Halogen A19	20	
CFL A19 Replacement	70	
CFL (Dimmable) A19 Replacement	70	
Linear Fluorescent System	108	
HID (High-Watt) System	115	
HID (Low-Watt) System	104	

**Luminous Efficacy - A measure of how well a light source produces visible light taking into account the sensitivity of the human eye to different wavelengths*

Source: A.K.R. Choudhury. 2014. *Principles of Colour and Appearance Measurement*.

Source Lighting Description	Luminous Efficacy* (lumen/watt)	Source
naturaLED SAL (100W)	115	Manufacturer's Specification for 75W

Appendix C

Field Data



UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2022-09-27 3:02	2022-09-26 22:02	13.5	Light C - Tote	5	20.94	8702	-3057	13687	-2925	625	-2439	35.1	54.9	198	378
2022-09-27 3:02	2022-09-26 22:02	13.5	Light C - Tote	5	20.94	8614	-2840	13764	-2997	318	-2468	34.7	55.3	215	504
2022-09-27 3:03	2022-09-26 22:03	13.5	Light C - Tote	5	20.98	8570	-2913	14081	-3006	117	-2513	34	56	225	665
2022-09-27 3:03	2022-09-26 22:03	13.2	Light C - Tote	5	20.98	8702	-2922	13684	-2985	14	-2535	35.1	54.9	233	466
2022-09-27 3:03	2022-09-26 22:03	13.2	Light C - Tote	5.01	20.88	9966	-1449	14054	-2942	-170	-2595	38.4	51.6	238	2746
2022-09-27 3:03	2022-09-26 22:03	13.2	Light C - Tote	5.01	20.88	9037	-3385	12024	-2741	-226	-2789	39.4	50.6	260	1707
2022-09-27 3:03	2022-09-26 22:03	13.2	Light C - Tote	5.01	20.84	5560	-2179	15046	-2026	-394	-3292	22.6	67.4	247	694
2022-09-27 3:03	2022-09-26 22:03	13.2	Light C - Tote	5.01	20.84	5348	-1518	15858	-1881	-535	-3353	20.9	69.1	248	784
2022-09-27 3:03	2022-09-26 22:03	13.2	Light C - Tote	5.01	20.84	4416	-2188	16046	-1654	-558	-3444	17.4	72.6	250	467
2022-09-27 3:03	2022-09-26 22:03	13.2	Light C - Tote	5.01	21.32	4984	-1814	15947	-1534	-587	-3477	19.5	70.5	258	626
2022-09-27 3:03	2022-09-26 22:03	13.2	Light C - Tote	5.01	21.32	5009	-1691	16178	-1427	-563	-3524	19.4	70.6	261	469
2022-09-27 3:03	2022-09-26 22:03	13.2	Light C - Tote	5.01	21.32	4622	-1963	15995	-1219	-484	-3588	18.2	71.8	266	684
2022-09-27 3:03	2022-09-26 22:03	13.2	Light C - Tote	5.01	21.32	4670	-2013	15850	-1103	-422	-3627	18.5	71.5	272	856
2022-09-27 3:03	2022-09-26 22:03	13.2	Light C - Tote	5.01	21.29	4987	-1898	15882	-1010	-366	-3647	19.6	70.4	279	329
2022-09-27 3:03	2022-09-26 22:03	13.2	Light C - Tote	5.01	21.29	4570	-2214	15981	-867	-275	-3680	18	72	281	2025
2022-09-27 3:03	2022-09-26 22:03	13.2	Light C - Tote	5.01	21.01	4480	-3034	15346	-789	-185	-3708	18.3	71.7	284	1428
2022-09-27 3:03	2022-09-26 22:03	13.2	Light C - Tote	5.01	21.01	4530	-2282	16161	-686	-58	-3730	17.7	72.3	293	544
2022-09-27 3:03	2022-09-26 22:03	13.2	Light C - Tote	5	21.01	5249	-1911	15940	-670	34	-3730	20.5	69.5	309	551
2022-09-27 3:03	2022-09-26 22:03	13.2	Light C - Tote	5.01	21.24	4928	-1865	16222	-558	183	-3749	19	71	319	484
2022-09-27 3:03	2022-09-26 22:03	13.2	Light C - Tote	5	21.24	4886	-2019	16002	-508	342	-3753	19.1	70.9	329	309
2022-09-27 3:03	2022-09-26 22:03	12.8	Light C - Tote	5.01	21.24	4883	-2106	16079	-484	481	-3738	19	71	339	829
2022-09-27 3:03	2022-09-26 22:03	12.8	Light C - Tote	5	21.24	5399	-2009	15631	-491	590	-3731	21.3	68.7	351	342
2022-09-27 3:03	2022-09-26 22:03	12.8	Light C - Tote	5.01	21.32	5140	-1978	15936	-497	660	-3724	20.1	69.9	357	553
2022-09-27 3:03	2022-09-26 22:03	12.8	Light C - Tote	5	21.32	5640	-1913	15079	-628	776	-3687	22.9	67.1	6	627
2022-09-27 3:03	2022-09-26 22:03	12.8	Light C - Tote	5.01	20.83	5687	-1667	15724	-695	899	-3657	22.2	67.8	23	706
2022-09-27 3:03	2022-09-26 22:03	12.8	Light C - Tote	5.01	20.13	5768	-1399	15366	-789	1022	-3607	23	67	37	581
2022-09-27 3:03	2022-09-26 22:03	12.8	Light C - Tote	5.01	19.51	5545	-1357	16106	-862	1129	-3551	21.3	68.7	54	1275
2022-09-27 3:03	2022-09-26 22:03	12.8	Light C - Tote	5	19.55	5475	-1857	15653	-896	1261	-3514	21.6	68.4	54	1393
2022-09-27 3:03	2022-09-26 22:03	12.8	Light C - Tote	5.01	19.71	5543	-1657	15645	-1078	1374	-3409	21.9	68.1	69	578
2022-09-27 3:03	2022-09-26 22:03	12.8	Light C - Tote	5.01	20.09	5113	-2579	16039	-1154	1431	-3371	19.8	70.2	81	382
2022-09-27 3:03	2022-09-26 22:03	12.8	Light C - Tote	5.01	20.09	5450	-2101	15803	-1435	1449	-3243	21.3	68.7	97	500
2022-09-27 3:03	2022-09-26 22:03	12.8	Light C - Tote	5.01	20.67	5396	-2199	15698	-1765	1217	-3177	21.2	68.8	129	480
2022-09-27 3:03	2022-09-26 22:03	12.8	Light C - Tote	5.01	20.67	5274	-2445	15776	-1970	1126	-3091	20.7	69.3	150	407
2022-09-27 3:03	2022-09-26 22:03	12.8	Light C - Tote	5.01	21.09	8870	-1250	13970	-2872	857	-2397	35.5	54.5	148	1152
2022-09-27 3:03	2022-09-26 22:03	12.8	Light C - Tote	5.01	21.09	9578	-2045	12913	-3004	725	-2321	39.6	50.4	172	754
2022-09-27 3:03	2022-09-26 22:03	12.8	Light C - Tote	5	21.09	8520	-1861	14353	-2966	554	-2435	33.6	56.4	183	227
2022-09-27 3:03	2022-09-26 22:03	12.8	Light C - Tote	5	21.01	8674	-1601	13939	-3007	368	-2429	34.9	55.1	195	172
2022-09-27 3:03	2022-09-26 22:03	12.5	Light C - Tote	5	21.01	8503	-1731	14123	-3014	162	-2496	34	56	211	580
2022-09-27 3:03	2022-09-26 22:03	12.5	Light C - Tote	5.01	20.98	9050	-1101	13436	-3009	-12	-2523	37.1	52.9	221	1473
2022-09-27 3:03	2022-09-26 22:03	12.5	Light C - Tote	5.01	20.98	8723	-2171	14049	-3002	-27	-2525	34.7	55.3	227	608
2022-09-27 3:03	2022-09-26 22:03	12.5	Light C - Tote	5.01	20.98	8173	-2149	14421	-2945	-204	-2613	32.3	57.7	232	514
2022-09-27 3:03	2022-09-26 22:03	12.5	Light C - Tote	5	20.91	8318	-1726	14255	-2815	-426	-2720	33.2	56.8	242	171
2022-09-27 3:03	2022-09-26 22:03	12.5	Light C - Tote	5.01	20.91	7947	-1925	14461	-2651	-492	-2857	31.6	58.4	246	166
2022-09-27 3:03	2022-09-26 22:03	12.5	Light C - Tote	5.01	20.82	9323	-2464	13441	-2426	-523	-3028	37.6	52.4	269	1221
2022-09-27 3:03	2022-09-26 22:03	12.5	Light C - Tote	5.01	20.82	8348	-2176	13785	-2395	-532	-3055	34.1	55.9	263	1034
2022-09-27 3:03	2022-09-26 22:03	12.5	Light C - Tote	5.01	20.9	8178	-1826	13814	-2190	-591	-3178	33.5	56.5	269	940
2022-09-27 3:03	2022-09-26 22:03	12.5	Light C - Tote	5.01	20.9	8093	-2105	14497	-1976	-523	-3307	32	58	274	407
2022-09-27 3:03	2022-09-26 22:03	12.5	Light C - Tote	5.01	20.88	8165	-2364	14117	-1890	-423	-3366	32.8	57.2	279	1135
2022-09-27 3:03	2022-09-26 22:03	12.5	Light C - Tote	5.01	20.88	8352	-2321	14136	-1718	-258	-3457	33.4	56.6	288	1150
2022-09-27 3:03	2022-09-26 22:03	12.5	Light C - Tote	5.01	20.67	8284	-2407	13908	-1675	-201	-3477	33.6	56.4	290	1123
2022-09-27 3:03	2022-09-26 22:03	12.5	Light C - Tote	5.01	20.67	7060	-857	15804	-1319	-82	-3613	26.7	63.3	299	1339
2022-09-27 3:03	2022-09-26 22:03	12.5	Light C - Tote	5.01	20.62	10179	-1109	12550	-1813	62	-3412	42.3	47.7	328	697
2022-09-27 3:03	2022-09-26 22:03	12.5	Light C - Tote	5.01	20.45	10152	-1579	13815	-1863	176	-3390	39.4	50.6	321	812
2022-09-27 3:03	2022-09-26 22:03	12.5	Light C - Tote	5.01	20.45	10714	-2158	12144	-1727	415	-3417	44.5	45.5	335	1025
2022-09-27 3:03	2022-09-26 22:03	12.2	Light C - Tote	5.01	20.28	9759	-1966	13153	-1673	541	-3435	39.6	50.4	343	831
2022-09-27 3:03	2022-09-26 22:03	12.2	Light C - Tote	5.01	20.18	9033	-1749	13426	-1519	688	-3471	37	53	359	1702
2022-09-27 3:03	2022-09-26 22:03	12.2	Light C - Tote	5.01	20.1	9357	-1615	13519	-1690	867	-3339	37.8	52.2	17	657
2022-09-27 3:03	2022-09-26 22:03	12.2	Light C - Tote	5	20.04	9298	-1336	14053	-1726	967	-3301	36.5	53.5	36	453
2022-09-27 3:03	2022-09-26 22:03	12.2	Light C - Tote	5.01	20.08	8908	-852	13044	-1902	1088	-3153	37.5	52.5	58	1744
2022-09-27 3:03	2022-09-26 22:03	12.2	Light C - Tote	5	20.33	9387	-1387	13288	-2039	1121	-3046	38.4	51.6	62	961
2022-09-27 3:03	2022-09-26 22:03	12.2	Light C - Tote	5.01	20.33	9561	-1838	13437	-2213	1172	-2901	38.5	51.5	78	530
2022-09-27 3:03	2022-09-26 22:03	12.2	Light C - Tote	5.01	20.61	1544	19974	17682	-24352	4378	386	4.3	85.7	51	-1374
2022-09-27 3:04	2022-09-26 22:04	12.2	Light C - Tote	5.01	20.61	10181	-2019	13231	-2626	1216	-2498	40.6	49.4	109	760
2022-09-27 3:04	2022-09-26 22:04	12.2	Light C - Tote	5.01	20.84	10425	-2261	12757	-2790	1128	-2353	42.3	47.7	122	761
2022-09-27 3:04	2022-09-26 22:04	12.2	Light C - Tote	5.01	20.84	10676	-1660	12070	-3025	954	-2167	44.7	45.3	132	1084
2022-09-27 3:04	2022-09-26 22:04	12.2	Light C - Tote	5.01	20.87	10281	-2425	14498	-3226	565	-2081	38.2	51.8	186	1178
2022-09-27 3:04	2022-09-26 22:04	12.2	Light C - Tote	5.01	20.87	12750	-752	9861	-3668	85	-1440	55.7	34.3	228	900
2022-09-27 3:04	2022-09-26 22:04	12.2	Light C - Tote	5.01	20.87	12406	-1038	10528	-3655	7	-1548	53.1	36.9	234	1063
2022-09-27 3:04	2022-09-26 22:04	12.2	Light C - Tote	5.01	21.04	11827	-1339	11760	-3604	-254	-1704	48.5	41.5	243	499
2022-09-27 3:04	2022-09-26 22:04	12.2	Light C - Tote	5.01	21.04	12020	-754	11251	-3543	-454	-1813	50.3	39.7	252	793
2022-09-27 3:04	2022-09-26 22:04	12.2	Light C - Tote	5.01	20.87	11679	-889	9764	-3449	-524	-1961	53.7	36.3	263	731
2022-09-27 3:04	2022-09-26 22:04	11.9	Light C - Tote	5.01	20.87	11924	-1514	11045							

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2022-09-27 3:04	2022-09-26 22:04	11.6	Light C - Tote	5.01	21	13328	-1527	9194	-2993	-530	-2541	58.6	31.4	289	347
2022-09-27 3:04	2022-09-26 22:04	11.6	Light C - Tote	5.01	21.06	13221	-2589	8828	-2881	-110	-2666	58.9	31.1	294	2115
2022-09-27 3:04	2022-09-26 22:04	11.6	Light C - Tote	5.01	21.06	13283	-1550	8519	-2859	50	-2675	60.5	29.5	311	2107
2022-09-27 3:04	2022-09-26 22:04	11.6	Light C - Tote	5.01	20.91	12904	-1212	8890	-2791	260	-2698	58.8	31.2	328	1049
2022-09-27 3:04	2022-09-26 22:04	11.6	Light C - Tote	5.01	20.91	13483	-1758	8906	-2738	609	-2661	59.7	30.3	344	339
2022-09-27 3:04	2022-09-26 22:04	11.6	Light C - Tote	5.01	20.79	13524	-2184	8422	-2791	767	-2553	60.9	29.1	344	688
2022-09-27 3:04	2022-09-26 22:04	11.6	Light C - Tote	5.01	20.79	12832	-2435	9318	-2834	1085	-2339	56.8	33.2	29	1200
2022-09-27 3:04	2022-09-26 22:04	11.6	Light C - Tote	5.01	20.73	13696	-2103	7447	-2905	1175	-2181	64.2	25.8	27	3182
2022-09-27 3:04	2022-09-26 22:04	11.6	Light C - Tote	5.01	20.73	12929	-1738	10094	-3000	1255	-2017	55.2	34.8	84	1535
2022-09-27 3:04	2022-09-26 22:04	11.6	Light C - Tote	5.01	20.9	13480	-3229	9139	-3251	1331	-1462	58	32	102	3198
2022-09-27 3:04	2022-09-26 22:04	11.6	Light C - Tote	5.01	20.9	14714	-2885	8381	-3294	1455	-1183	62.5	27.5	92	1580
2022-09-27 3:04	2022-09-26 22:04	11.6	Light C - Tote	5.01	20.9	14975	-3215	6272	-3477	1358	-656	68.3	21.7	92	2543
2022-09-27 3:04	2022-09-26 22:04	11.6	Light C - Tote	5.01	21.11	13778	-2343	6396	-3764	682	-574	67.3	22.7	128	4148
2022-09-27 3:40	2022-09-26 22:40	4.1	Light D - Teardrop	5	20.85	5469	-1765	15619	-1805	-545	-3290	21.6	68.4	253	806
2022-09-27 3:40	2022-09-26 22:40	4.1	Light D - Teardrop	5.01	20.92	4781	-1128	15370	-1740	-553	-3314	19.5	70.5	248	1200
2022-09-27 3:40	2022-09-26 22:40	4.1	Light D - Teardrop	5	20.92	5127	-1086	15685	-1575	-645	-3373	20.4	69.6	258	1091
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	20.83	5085	-665	16791	-1339	-621	-3427	19	71	263	2497
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	20.83	4062	-1280	15469	-1264	-562	-3457	16.8	73.2	260	2107
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	20.63	4698	-1572	15863	-1079	-380	-3535	18.7	71.3	273	784
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	19.63	4682	-1172	15634	-898	-353	-3548	18.9	71.1	285	1078
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	19.56	4867	-1889	15563	-772	-128	-3589	19.6	70.4	295	1173
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	19.61	3852	-1829	16489	-552	38	-3621	15	75	298	1987
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	19.87	4150	-1415	16126	-470	59	-3603	16.5	73.5	314	703
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	20.1	4215	-1996	16818	-415	233	-3599	16	74	319	440
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	20.27	4302	-1921	16108	-347	366	-3587	17	73	334	2282
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	20.3	4533	-1515	15744	-399	459	-3569	18.2	71.8	348	658
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	20.3	4154	-1903	15947	-364	566	-3554	16.6	73.4	350	1977
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	20.24	4086	-1479	15848	-353	635	-3534	16.5	73.5	5	574
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	20.3	5127	-2302	15737	-335	791	-3499	20.2	69.8	1	1789
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	20.4	4136	-2406	15569	-331	975	-3458	16.9	73.1	15	1303
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	20.4	3529	-2331	16710	-360	1054	-3433	13.7	76.3	33	831
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	20.19	4400	-1787	15687	-527	1050	-3424	17.8	72.2	36	628
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	20	4199	-1451	16629	-614	1065	-3420	16.1	73.9	55	744
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	20.18	4091	-1761	16171	-657	1127	-3420	16.2	73.8	57	621
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	20.18	3307	-2345	14971	-712	1251	-3380	14.3	75.7	70	974
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	20.18	3553	-1891	15721	-800	1348	-3378	14.6	75.4	81	1580
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	20.18	3738	-2414	16097	-978	1292	-3389	14.9	75.1	96	711
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	20.18	3713	-2101	16248	-1134	1259	-3352	14.7	75.3	111	410
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	20.18	3675	-2085	16197	-1316	1192	-3321	14.7	75.3	128	1151
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	20.18	3277	-1778	16484	-1425	1164	-3311	13	77	137	684
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	20.18	3239	-2490	15938	-1528	1059	-3311	13.3	76.7	159	1048
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	22.37	2762	-2979	16644	-1733	810	-3305	11	79	184	2431
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	22.37	3210	-1458	16975	-1889	488	-3295	12.4	77.6	184	1704
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	22.37	3169	-2084	16787	-1899	255	-3326	12.4	77.6	204	421
2022-09-27 3:41	2022-09-26 22:41	3.8	Light D - Teardrop	5.01	22.37	4281	-1556	15706	-1885	-26	-3336	17.3	72.7	222	783
2022-09-27 3:41	2022-09-26 22:41	3.8	Light D - Teardrop	5	21.45	6824	-1758	14649	-2392	-215	-3018	27.6	62.4	237	1368
2022-09-27 3:41	2022-09-26 22:41	3.8	Light D - Teardrop	5.01	21.45	6760	-2125	14225	-2247	-348	-3107	28.1	61.9	250	1111
2022-09-27 3:41	2022-09-26 22:41	3.8	Light D - Teardrop	5.01	20.77	5377	-1492	15970	-1963	-537	-3254	20.9	69.1	245	1197
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	20.77	5374	-1396	15466	-1749	-560	-3344	21.5	68.5	254	1067
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	20.84	5791	-1996	15842	-1590	-545	-3396	22.4	67.6	263	2468
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	20.84	6469	-1303	15344	-1530	-509	-3425	25.4	64.6	274	1486
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	20.69	1620	19974	17426	13272	4046	336	4.5	85.5	133	1076
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	20.23	4795	-1399	15461	-1087	-348	-3552	19.5	70.5	276	1053
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	19.53	5309	-1523	15466	-926	-286	-3580	21.3	68.7	291	470
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	19.47	4976	-1828	16159	-934	-186	-3576	19.3	70.7	284	2385
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	19.52	5305	-1847	16260	-844	-36	-3587	20.4	69.6	297	1094
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	19.68	6007	-1456	15335	-839	116	509	23.9	66.1	334	698
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	19.52	6591	-962	14746	-939	231	-3555	26.8	63.2	338	364
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	19.49	6551	-1914	14539	-850	495	-3531	26.9	63.1	343	840
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	19.45	6365	-1751	15456	-893	641	-3503	24.9	65.1	359	421
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	19.51	5812	-1796	14696	-907	889	-3449	24.1	65.9	21	2462
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	19.44	6166	-1507	15279	-982	999	-3416	24.5	65.5	39	858
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	19.44	5858	-1224	15740	-1102	1121	-3374	22.8	67.2	64	970
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	19.74	6493	-2329	14972	-1390	1270	-3229	25.9	64.1	68	994
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	19.74	6146	-1980	15282	-1526	1226	-3203	24.4	65.6	92	557
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	19.74	5726	-1709	15000	-1742	1222	-3122	23.3	66.7	115	778
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	21.49	671	-2569	14686	-2013	1100	-3032	27.2	62.8	138	1249
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5.01	21.49	5923	-2270	15438	-2230	854	-2964	23.5	66.5	169	527
2022-09-27 3:41	2022-09-26 22:41	4.1	Light D - Teardrop	5	21.49	5933	-1437	14963	-2412	357	-2966	24.2	65.8	195	946
2022-09-27 3:41	2022-09-26 22:41	3.8	Light D - Teardrop	5	21.22	5392	-1039	15893	-2372	-47	-3051	21.1	68.9	211	2483
2022-09-27 3:41	2022-09-26 22:41	3.8	Light D - Teardrop	5	21.22	6123	-1422	15482	-2412	-199	-3008	24.1	65.9	225	695
2022-09-27 3:41	2022-09-26 22:41	3.8	Light D - Teardrop	5	20.77	9148	-2447	13445	-2857	-408	-2619	37.1	52.9	250	1054

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	19.38	8453	-1638	14276	-1663	-70	-3398	33.6	56.4	299	1071
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	19.24	7728	-2617	13659	-1543	121	-3422	32.2	57.8	297	3400
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	19.16	9971	-3368	15161	-1478	368	-3413	35.8	54.2	316	1228
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	19.11	9229	-872	13045	-1547	494	-3361	38.5	51.5	1	939
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5	19.12	9058	-1459	13277	-1610	757	-3269	37.4	52.6	11	1653
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	19.22	8746	-1763	14183	-1653	950	-3192	34.6	55.4	33	1888
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	19.29	8774	-1638	13553	-1751	1053	-3140	36	54	45	1247
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5	19.53	8848	-1913	14134	-1978	1181	-2965	35	55	77	1637
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5	20.46	7149	-548	14463	-2267	1180	-2751	29.1	60.9	119	1355
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	20.46	9020	-1653	14208	-2442	1122	-2659	35.4	54.6	119	995
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	20.46	8824	-1113	13834	-2752	756	-2535	35.6	54.4	151	398
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	21	9313	-1938	13164	-2973	474	-2395	38.3	51.7	196	1199
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	21	11677	-985	12603	-3124	131	-2305	46.1	43.9	226	627
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	20.92	9196	-1360	12999	-3052	-290	-2411	38.5	51.5	238	1707
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	20.92	12139	-836	10648	-3422	-606	-1885	52.2	37.8	260	1028
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	20.74	12618	-1804	10554	-3294	-569	-2093	53.3	36.7	266	1200
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5	20.74	12013	-1703	11373	-2987	-656	-2451	49.8	40.2	272	1240
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	20.73	11699	-1628	11270	-2825	-559	-2608	49.4	40.6	277	1472
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	20.39	11848	-1873	10375	-2533	-356	-2875	52	38	295	996
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5	19.91	12796	-4246	12178	-2345	-207	-3012	48.3	41.7	288	2285
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	19.69	12246	-960	12354	-2198	60	-3091	48.1	41.9	327	1969
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	19.36	10864	-1900	11763	-2027	413	-3143	45.9	44.1	333	647
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5	19.37	11830	-1875	11098	-2210	617	-2968	50	40	347	434
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	19.47	11950	-990	10666	-2255	754	-2910	51.7	38.3	18	508
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	19.56	11758	-2298	12390	-2280	1005	-2787	46.5	43.5	28	1119
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	19.69	11183	-1979	11912	-2370	1095	-2677	46.4	43.6	53	1353
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	19.88	11627	-2886	12594	-2683	1262	-2285	45.5	44.5	101	1583
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5	20.41	11762	-1830	9255	-2907	1265	-2000	55.1	34.9	82	1138
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	20.41	12560	-1672	10453	-3246	991	-1702	53.5	36.5	117	1108
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	20.41	12936	-2944	9771	-3460	836	-1375	55.4	34.6	156	3585
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	20.86	13177	-1568	9749	-3597	500	-1306	56.8	33.2	178	1615
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5	20.86	12524	-3218	8800	-3679	601	-995	57	33	192	1858
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5	21	14197	-4083	6273	-3773	294	-941	65.8	24.2	258	2521
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	21	14142	-2884	6219	-3839	-168	-887	67.7	22.3	266	2527
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	20.9	16517	-2819	5180	-3832	-1125	-678	72.8	17.2	269	10406
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	20.9	16575	-964	1134	-3953	-336	-190	87.1	2.9	264	3189
2022-09-27 3:42	2022-09-26 22:42	3.8	Light D - Teardrop	5.01	20.82	16971	-940	2287	-3952	-373	25	83.9	6.1	268	3382
2022-09-27 4:07	2022-09-26 23:07	10.3	Light B - Tuzyk	5	21.12	2234	873	17482	-454	-1010	-3318	8.8	81.2	275	1689
2022-09-27 4:07	2022-09-26 23:07	10.3	Light B - Tuzyk	5.01	20.63	2698	-114	16706	-439	-944	-3344	10.8	79.2	280	414
2022-09-27 4:07	2022-09-26 23:07	10.3	Light B - Tuzyk	5	20.13	2994	70	16482	-253	-675	-3403	12	78	296	996
2022-09-27 4:07	2022-09-26 23:07	10.3	Light B - Tuzyk	5.01	20.13	2969	-332	16446	-49	-551	-3421	11.9	78.1	306	407
2022-09-27 4:07	2022-09-26 23:07	10.3	Light B - Tuzyk	5	20.13	3126	859	16607	68	-217	-3459	12.3	77.7	339	651
2022-09-27 4:07	2022-09-26 23:07	10.3	Light B - Tuzyk	5.01	20.13	2893	-868	16724	133	181	-3474	11.5	78.5	342	464
2022-09-27 4:07	2022-09-26 23:07	10.3	Light B - Tuzyk	5	20.13	3301	1497	16115	53	368	-3450	13.3	76.7	27	347
2022-09-27 4:07	2022-09-26 23:07	10.3	Light B - Tuzyk	5	20.13	3126	-1040	16448	-85	776	-3424	12.5	77.5	24	612
2022-09-27 4:07	2022-09-26 23:07	10.3	Light B - Tuzyk	5	20.13	3217	956	16271	-270	799	-3384	12.9	77.1	57	1258
2022-09-27 4:07	2022-09-26 23:07	10.3	Light B - Tuzyk	5	20.13	2934	-460	16571	-535	1030	-3310	11.7	78.3	76	442
2022-09-27 4:07	2022-09-26 23:07	10.3	Light B - Tuzyk	5	20.13	2642	773	16325	-799	1070	-3235	10.8	79.2	99	268
2022-09-27 4:07	2022-09-26 23:07	10.3	Light B - Tuzyk	5.01	22.42	2358	-707	16255	-1239	954	-3150	9.8	80.2	139	694
2022-09-27 4:07	2022-09-26 23:07	10.3	Light B - Tuzyk	5.01	22.42	2456	741	16654	-1420	837	-3121	9.9	80.1	137	452
2022-09-27 4:07	2022-09-26 23:07	10.3	Light B - Tuzyk	5.01	22.42	2565	-523	15770	-1767	557	-3053	10.9	79.1	170	495
2022-09-27 4:07	2022-09-26 23:07	10.3	Light B - Tuzyk	5	22.42	2468	463	16681	-1923	288	-3027	9.9	80.1	175	352
2022-09-27 4:08	2022-09-26 23:08	10.3	Light B - Tuzyk	5	22.42	2461	-530	16726	-2096	-185	-2976	9.9	80.1	204	557
2022-09-27 4:08	2022-09-26 23:08	10.3	Light B - Tuzyk	5.01	22.42	2077	845	17091	-2050	-455	-3017	8.3	81.7	204	622
2022-09-27 4:08	2022-09-26 23:08	9.9	Light B - Tuzyk	5	22.42	2388	-451	16079	-1800	-1015	-3037	10	80	235	715
2022-09-27 4:08	2022-09-26 23:08	9.9	Light B - Tuzyk	5.01	22.42	2355	512	16209	-1502	-1138	-3117	9.8	80.2	240	529
2022-09-27 4:08	2022-09-26 23:08	9.9	Light B - Tuzyk	5.01	22.42	2122	-1059	17249	-981	-1175	-3222	8.5	81.5	257	1019
2022-09-27 4:08	2022-09-26 23:08	9.9	Light B - Tuzyk	5	22.42	2314	949	16572	-738	-1223	-3246	9.4	80.6	264	1394
2022-09-27 4:08	2022-09-26 23:08	9.9	Light B - Tuzyk	5.01	22.53	2676	-1398	17150	-377	-970	-3341	10.4	79.6	279	802
2022-09-27 4:08	2022-09-26 23:08	9.9	Light B - Tuzyk	5.01	20.45	5700	322	15806	-886	-852	-3380	22.2	67.8	294	919
2022-09-27 4:08	2022-09-26 23:08	9.9	Light B - Tuzyk	5.01	19.19	8967	-1675	14345	-1384	-257	-3372	35	55	308	1765
2022-09-27 4:08	2022-09-26 23:08	9.9	Light B - Tuzyk	5.01	19.44	8980	132	14114	-1229	186	-3401	35.5	54.5	358	735
2022-09-27 4:08	2022-09-26 23:08	9.9	Light B - Tuzyk	5	20.15	8402	-1024	15022	-1259	692	-3302	32.1	57.9	17	1474
2022-09-27 4:08	2022-09-26 23:08	9.9	Light B - Tuzyk	5.01	20.33	8535	364	14398	-1473	831	-3158	33.6	56.4	54	875
2022-09-27 4:08	2022-09-26 23:08	9.9	Light B - Tuzyk	5.01	20.33	8180	-1768	14078	-1765	1168	-2909	33.1	56.9	75	789
2022-09-27 4:08	2022-09-26 23:08	9.9	Light B - Tuzyk	5.01	20.33	8474	862	13955	-2091	990	-2737	34.2	55.8	98	1159
2022-09-27 4:08	2022-09-26 23:08	9.9	Light B - Tuzyk	5	21.07	8283	-1117	13991	-2546	903	-2445	33.6	56.4	140	1800
2022-09-27 4:08	2022-09-26 23:08	9.9	Light B - Tuzyk	5	20.53	8547	126	13892	-2800	725	-2277	34.6	55.4	142	527
2022-09-27 4:08	2022-09-26 23:08	9.9	Light B - Tuzyk	5.01	20.53	8337	-1313	14423	-3101	307	-2105	33	57	191	1735
2022-09-27 4:08	2022-09-26 23:08	9.9	Light B - Tuzyk	5.01	20.53	8566	-1681	13270	-3237	-630	-2083	35.9	54.1	241	837
2022-09-27 4:08	2022-09-26 23:08	9.9	Light B - Tuzyk	5.01	20.53	8912	44	13331	-3135	-898	-2189	36.9	53.1	244	1084
2022-09-27 4:08	2022-09-26 23:08	9.9	Light B - Tuzyk	5.01	21.72	8440	-1514	13397	-2694	-1145	-2515	35.3	54.7		

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2022-09-27 4:08	2022-09-26 23:08	9.6	Light B - Tuzyk	5.01	20.25	12890	-984	9791	-3984	-245	-675	56.2	33.8	251	1124
2022-09-27 4:08	2022-09-26 23:08	9.6	Light B - Tuzyk	5	20.85	11854	-1287	8678	-4000	-706	-751	57.3	32.7	263	2923
2022-09-27 4:08	2022-09-26 23:08	9.6	Light B - Tuzyk	5.01	20.85	12542	-987	8651	-3259	-1310	-1979	58.9	31.1	277	2301
2022-09-27 4:08	2022-09-26 23:08	9.3	Light B - Tuzyk	5.01	19.2	4449	6561	18170	-1894	-1466	-3113	15.2	74.8	211	2852
2022-09-27 4:08	2022-09-26 23:08	9.3	Light B - Tuzyk	5.01	20.05	12390	10357	-12800	-3191	-1936	-613	37.6	52.4	97	13144
2022-09-27 4:08	2022-09-26 23:08	9.3	Light B - Tuzyk	5	20.05	11269	8222	-7839	-984	-3115	314	45.1	44.9	59	484
2022-09-27 4:08	2022-09-26 23:08	9.3	Light B - Tuzyk	5.01	20.77	13349	6567	-4891	-1540	-3056	-264	58.3	31.7	59	700
2022-09-27 4:08	2022-09-26 23:08	9.3	Light B - Tuzyk	5	20.77	9304	10684	-8616	-1577	-2965	-214	34.7	55.3	81	4529
2022-09-27 4:36	2022-09-26 23:36	10.9	Light A - Dixie	5	22.19	1515	-1038	16931	-479	-830	-3262	6.4	83.6	267	372
2022-09-27 4:36	2022-09-26 23:36	10.9	Light A - Dixie	5	22.19	1919	-290	16968	-379	-618	-3313	7.9	82.1	276	670
2022-09-27 4:36	2022-09-26 23:36	10.9	Light A - Dixie	5.01	22.19	2764	-1495	16264	-185	-338	-3351	11.3	78.7	297	935
2022-09-27 4:36	2022-09-26 23:36	10.9	Light A - Dixie	5.01	22.19	2629	-387	16750	-71	-187	-3353	10.5	79.5	316	1099
2022-09-27 4:36	2022-09-26 23:36	10.9	Light A - Dixie	5.01	21.63	2389	-1978	16449	56	424	-3355	9.8	80.2	338	1397
2022-09-27 4:36	2022-09-26 23:36	10.9	Light A - Dixie	5.01	20.5	3220	-4	17149	-98	511	-3352	12.3	77.7	21	904
2022-09-27 4:36	2022-09-26 23:36	10.9	Light A - Dixie	5	20.5	3261	-2121	15694	-238	862	-3300	13.6	76.4	14	685
2022-09-27 4:36	2022-09-26 23:36	10.9	Light A - Dixie	5	20.58	3777	-156	16386	-334	819	-3310	14.9	75.1	44	1210
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5.01	20.58	2657	-2605	17285	-585	1157	-3193	10.3	79.7	88	1121
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5.01	20.59	4070	-158	16524	-911	1028	-3181	15.8	74.2	89	631
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5	20.29	3070	-2903	16582	-1093	1179	-3070	12.1	77.9	137	1316
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5	20.29	4083	-330	16138	-1361	1035	-3037	16.2	73.8	119	743
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5.01	20.86	3715	-2482	16531	-1635	935	-2954	14.5	75.5	165	555
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5.01	20.86	3709	-231	16365	-1779	765	-2955	14.7	75.3	151	879
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5.01	20.86	3177	-1179	16240	-1979	384	-2935	13.6	76.4	186	892
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5.01	21.06	3187	-736	16947	-2052	183	-2933	12.4	77.6	191	540
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5	21.06	2811	693	16146	-2065	-231	-2948	11.5	78.5	197	927
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5	21.06	3207	-2131	15976	-1984	-418	-2984	13.1	76.9	228	1006
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5	21.45	3939	780	16301	-1892	-836	-2965	15.5	74.5	230	1166
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5.01	21.45	3285	-2563	15290	-1467	-762	-3142	14	76	252	768
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5.01	21.45	2898	1187	16839	-1164	-1099	-3124	11.3	78.7	250	607
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5	21.45	2776	-2622	15158	-638	-670	-3296	12.1	77.9	273	689
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5.01	21.45	3465	1726	15907	-477	-817	-3272	14	76	297	587
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5.01	21.61	2156	19974	17682	26600	3860	376	5.8	84.2	134	-21316
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5.01	19.3	6350	329	16011	-934	162	-3335	24.1	65.9	357	1803
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5.01	18.89	7838	-2304	14398	-1368	709	-3134	31.3	58.7	350	354
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5.01	18.99	7589	1109	14470	-1361	647	-3158	30.4	59.6	59	1284
2022-09-27 4:36	2022-09-26 23:36	10.6	Light A - Dixie	5.01	19.11	7470	-2551	14610	-1696	1047	-2901	29.7	60.3	90	768
2022-09-27 4:37	2022-09-26 23:37	10.6	Light A - Dixie	5.01	19.31	8258	220	14060	-2143	999	-2639	33.4	56.6	106	466
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5.01	19.67	7527	-2365	14634	-2493	844	-2435	29.9	60.1	166	720
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5	20.43	7971	341	14568	-2835	419	-2295	31.5	58.5	165	366
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5	20.43	7635	-1809	14695	-2974	-42	-2261	30.2	59.8	215	490
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5	20.62	7886	120	14655	-2999	-461	-2255	31.1	58.9	222	598
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5	20.62	7994	-2264	14809	-2709	-759	-2483	31.1	58.9	248	717
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5	20.68	7563	145	14886	-2351	-961	-2710	29.7	60.3	251	650
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5.01	20.52	7897	-1828	15033	-1808	-824	-3015	30.5	59.5	272	1207
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5.01	19.25	7741	46	14410	-1479	-450	-3185	31.1	58.9	298	1114
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5	19.02	8090	-1312	15350	-1238	168	-3267	30.6	59.4	325	1105
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5	18.94	7866	521	14668	-1298	312	-3231	31	59	19	441
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5	18.96	7894	-1694	14686	-1666	875	-2968	31.1	58.9	67	591
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5.01	19.1	9161	162	13288	-2228	885	-2637	37.7	52.3	98	1067
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5.01	19.38	9733	-1854	13220	-2751	915	-2152	39.4	50.6	144	704
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5	20.26	9663	-107	13323	-3050	542	-2013	39.2	50.8	157	781
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5	20.26	9228	-1772	13083	-3220	200	-1929	38.3	51.7	207	201
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5.01	20.54	9413	280	14539	-3269	-181	-1960	35.9	54.1	209	617
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5.01	20.73	9225	-1581	13842	-3130	-663	-2105	36.7	53.3	244	741
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5.01	20.73	9067	-322	12652	-2955	-802	-2278	38.9	51.1	249	539
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5.01	20.55	8655	-1300	14059	-2513	-1070	-2572	34.6	55.4	260	654
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5.01	20.26	9048	352	14066	-2187	-938	-2808	35.8	54.2	270	782
2022-09-27 4:37	2022-09-26 23:37	10.3	Light A - Dixie	5.01	19.6	8709	-1036	14108	-1738	-575	-3082	34.7	55.3	287	278
2022-09-27 4:37	2022-09-26 23:37	9.9	Light A - Dixie	5.01	18.9	9306	95	13513	-1608	-239	-3168	37.7	52.3	322	308
2022-09-27 4:37	2022-09-26 23:37	9.9	Light A - Dixie	5.01	18.8	8822	-1623	14578	-1561	290	-3151	34.1	55.9	321	946
2022-09-27 4:37	2022-09-26 23:37	9.9	Light A - Dixie	5	18.78	9339	-177	13882	-1748	724	-2981	37	53	51	725
2022-09-27 4:37	2022-09-26 23:37	9.9	Light A - Dixie	5	18.86	8945	-1733	14734	-2134	890	-2698	34.2	55.8	122	1027
2022-09-27 4:37	2022-09-26 23:37	9.9	Light A - Dixie	5.01	19.18	9332	232	13187	-2634	868	-2297	38.5	51.5	121	346
2022-09-27 4:37	2022-09-26 23:37	9.9	Light A - Dixie	5	19.95	10909	-1339	12404	-3236	558	-1774	44.6	45.4	170	964
2022-09-27 4:37	2022-09-26 23:37	9.9	Light A - Dixie	5.01	20.53	10616	-73	12249	-3406	240	-1644	44.3	45.7	184	705
2022-09-27 4:37	2022-09-26 23:37	9.9	Light A - Dixie	5.01	20.53	9846	518	13362	-3481	-152	-1637	39.5	50.5	208	1155
2022-09-27 4:37	2022-09-26 23:37	9.9	Light A - Dixie	5.01	20.64	10636	-1383	12907	-3474	-535	-1700	42.7	47.3	244	505
2022-09-27 4:37	2022-09-26 23:37	9.9	Light A - Dixie	5.01	20.64	10969	-420	13303	-3368	-777	-1818	42.8	47.2	247	1216
2022-09-27 4:37	2022-09-26 23:37	9.9	Light A - Dixie	5.01	20.7	10395	-1232	12513	-3001	-1095	-2166	43	47	262	580
2022-09-27 4:37	2022-09-26 23:37	9.9	Light A - Dixie	5.01	20.41	10373	537	12766	-2671	-1103	-2448	42.3	47.7	267	426
2022-09-27 4:37	2022-09-26 23:37	9.9	Light A - Dixie	5.01	19.87	10251	-870	12786	-2246	-814	-2793	42	48	281	482
2022-09-27 4:37	2022-09-26 23:37	9.9	Light A - Dixie	5.01	19.12	10244	1034	12829	-2116	-570	-2909	41.7	48.3	301	388
2022-09-															

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2022-11-19 23:40	2022-11-19 18:40	7.7	Light C - Tote	5	21.44	6791	-2032	15074	-976	747	-3231	26.8	63.2	3	1033
2022-11-19 23:40	2022-11-19 18:40	7.7	Light C - Tote	5	21.44	6798	-1198	15285	-1123	253	-3275	26.6	63.4	328	1824
2022-11-19 23:40	2022-11-19 18:40	7.7	Light C - Tote	5.01	21.44	7555	-2393	14834	-1456	-107	-3209	29.6	60.4	288	579
2022-11-19 23:40	2022-11-19 18:40	7.7	Light C - Tote	5.01	21.2	8461	-850	14455	-1904	-836	-2993	33.3	56.7	275	3237
2022-11-19 23:40	2022-11-19 18:40	7.7	Light C - Tote	5.01	21.2	6704	-1681	15489	-2257	-958	-2798	26	64	252	1776
2022-11-19 23:40	2022-11-19 18:40	7.7	Light C - Tote	5.01	21.2	8834	-15	12762	-2734	-1061	-2460	37.9	52.1	258	1286
2022-11-19 23:40	2022-11-19 18:40	7.7	Light C - Tote	5.01	21.02	9076	-393	14213	-2904	-1076	-2323	35.6	54.4	252	807
2022-11-19 23:40	2022-11-19 18:40	7.7	Light C - Tote	5.01	21.02	8856	-1305	13521	-3040	-820	-2252	36.3	53.7	248	1362
2022-11-19 23:40	2022-11-19 18:40	7.7	Light C - Tote	5.01	20.73	9054	-1428	13654	-3236	-566	-2078	36.6	53.4	239	2367
2022-11-19 23:40	2022-11-19 18:40	7.7	Light C - Tote	5.01	20.73	9202	-956	14881	-3246	-310	-2076	34.7	55.3	223	2664
2022-11-19 23:40	2022-11-19 18:40	7.7	Light C - Tote	5.01	20.84	9078	-526	12349	-3221	-61	-2065	39.7	50.3	214	1439
2022-11-19 23:40	2022-11-19 18:40	7.7	Light C - Tote	5.01	20.84	9191	-445	12972	-3163	164	-2075	38.6	51.4	195	1634
2022-11-19 23:40	2022-11-19 18:40	7.7	Light C - Tote	5	21.04	9139	-160	12521	-2873	586	-2240	39.4	50.6	149	3309
2022-11-19 23:40	2022-11-19 18:40	7.7	Light C - Tote	5.01	21.04	8731	554	13948	-2541	735	-2494	35	55	128	1872
2022-11-19 23:40	2022-11-19 18:40	7.7	Light C - Tote	5.01	21.04	8851	-979	14286	-2193	917	-2667	34.8	55.2	113	1646
2022-11-19 23:40	2022-11-19 18:40	7.7	Light C - Tote	5.01	21.1	8295	-680	13932	-1949	845	-2847	33.8	56.2	92	627
2022-11-19 23:40	2022-11-19 18:40	7.4	Light C - Tote	5	21.1	9097	1245	11709	-1898	630	496	40.9	49.1	44	819
2022-11-19 23:40	2022-11-19 18:40	7.4	Light C - Tote	5.01	20.97	10932	397	11859	-1779	54	-3095	46	44	355	1282
2022-11-19 23:40	2022-11-19 18:40	7.4	Light C - Tote	5.01	20.97	8657	1422	13951	-1719	-517	-3113	34.6	55.4	309	1149
2022-11-19 23:40	2022-11-19 18:40	7.4	Light C - Tote	5.01	20.97	8591	929	14141	-1726	-618	-3107	34.2	55.8	296	1607
2022-11-19 23:40	2022-11-19 18:40	7.4	Light C - Tote	5.01	21.24	8656	-751	13892	-1748	-579	-3094	35	55	288	265
2022-11-19 23:40	2022-11-19 18:40	7.4	Light C - Tote	5.01	21.24	8555	-351	14291	-2088	-755	-2932	33.9	56.1	270	699
2022-11-19 23:40	2022-11-19 18:40	7.4	Light C - Tote	5.01	21.24	9188	-436	14760	-2311	-1056	-2740	34.9	55.1	265	857
2022-11-19 23:40	2022-11-19 18:40	7.4	Light C - Tote	5.01	21.13	9189	-145	13636	-2559	-1135	-2560	37.1	52.9	262	2152
2022-11-19 23:40	2022-11-19 18:40	7.4	Light C - Tote	5.01	21.13	8706	-565	14289	-2653	-1065	-2530	34.4	55.6	255	792
2022-11-19 23:40	2022-11-19 18:40	7.4	Light C - Tote	5.01	20.86	8631	-1081	13968	-2718	-925	-2519	34.8	55.2	254	954
2022-11-19 23:40	2022-11-19 18:40	7.4	Light C - Tote	5.01	20.86	8492	-1377	14473	-2760	-881	-2485	33.3	56.7	250	1319
2022-11-19 23:40	2022-11-19 18:40	7.4	Light C - Tote	5.01	20.73	8420	-1391	14014	-2976	-482	-2355	34	56	237	1235
2022-11-19 23:40	2022-11-19 18:40	7	Light C - Tote	5.01	20.75	7830	-1791	15461	-3146	-15	-2133	29.5	60.5	210	2502
2022-11-19 23:40	2022-11-19 18:40	7	Light C - Tote	5	20.75	8376	-875	13580	-3055	328	-2160	34.8	55.2	186	575
2022-11-19 23:40	2022-11-19 18:40	7	Light C - Tote	5.01	20.75	8325	-517	13879	-2982	637	-2119	34	56	159	1325
2022-11-19 23:40	2022-11-19 18:40	7	Light C - Tote	5.01	21.02	8619	-750	14442	-2518	936	-2417	33.8	56.2	132	1305
2022-11-19 23:40	2022-11-19 18:40	7	Light C - Tote	5.01	21.02	9525	-1513	13706	-2443	901	-2495	37.9	52.1	127	2761
2022-11-19 23:40	2022-11-19 18:40	7	Light C - Tote	5.01	21.02	9160	-1427	13916	-2001	818	-2828	36.4	53.6	75	1154
2022-11-19 23:41	2022-11-19 18:41	7	Light C - Tote	5.01	21.07	9364	-1335	11803	-1803	729	-2966	41.8	48.2	13	802
2022-11-19 23:41	2022-11-19 18:41	7	Light C - Tote	5.01	21.07	8722	-3036	14920	-1917	-4	-3030	32.9	57.1	271	2211
2022-11-19 23:41	2022-11-19 18:41	7	Light C - Tote	5.01	21.16	10081	-1181	14256	-2252	-674	-2850	38.4	51.6	273	1120
2022-11-19 23:41	2022-11-19 18:41	7	Light C - Tote	5.01	21.16	9903	-1007	12585	-2235	-654	-2863	41.5	48.5	281	453
2022-11-19 23:41	2022-11-19 18:41	7	Light C - Tote	5.01	21.16	9162	-1716	13295	-2233	-576	-2872	37.6	52.4	272	559
2022-11-19 23:41	2022-11-19 18:41	7	Light C - Tote	5.01	21.18	9551	-2690	13420	-2257	-528	-2864	38.2	51.8	272	650
2022-11-19 23:41	2022-11-19 18:41	7	Light C - Tote	5.01	21.18	9145	-2186	12975	-2274	-498	-2861	38.2	51.8	271	838
2022-11-19 23:41	2022-11-19 18:41	7	Light C - Tote	5.01	21.18	9864	-2381	13016	-2313	-449	-2831	40.1	49.9	273	909
2022-11-19 23:41	2022-11-19 18:41	7	Light C - Tote	5.01	21.14	8209	-3863	14587	-2365	-408	-2805	31.6	58.4	256	1375
2022-11-19 23:41	2022-11-19 18:41	7	Light C - Tote	5	21.14	9368	-1784	13529	-2848	-688	-2448	37.7	52.3	253	719
2022-11-19 23:41	2022-11-19 18:41	7	Light C - Tote	5.01	20.85	9901	-430	13209	-3140	-861	-2144	40.1	49.9	249	1678
2022-11-19 23:41	2022-11-19 18:41	6.7	Light C - Tote	5.01	20.85	9939	-1851	12716	-3216	-643	-2113	41.1	48.9	250	1515
2022-11-19 23:41	2022-11-19 18:41	6.7	Light C - Tote	5.01	20.79	9930	-2050	12808	-3239	-611	-2073	40.9	49.1	249	934
2022-11-19 23:41	2022-11-19 18:41	6.7	Light C - Tote	5.01	20.79	10070	-2311	13092	-3266	-551	-2051	40.5	49.5	247	835
2022-11-19 23:41	2022-11-19 18:41	6.7	Light C - Tote	5.01	20.79	9726	-1302	17650	-17780	4422	352	32	58	90	1321
2022-11-19 23:41	2022-11-19 18:41	6.7	Light C - Tote	5	20.83	11146	-367	12161	-3582	161	-1516	45.9	44.1	197	1032
2022-11-19 23:41	2022-11-19 18:41	6.7	Light C - Tote	5	20.83	10338	-1394	12634	-3525	245	-1580	42.5	47.5	200	1439
2022-11-19 23:41	2022-11-19 18:41	6.7	Light C - Tote	5.01	21.01	12167	113	11523	-3370	647	-1619	49.9	40.1	134	1199
2022-11-19 23:41	2022-11-19 18:41	6.7	Light C - Tote	5	21.01	11739	-529	10305	-3219	827	-1726	52.3	37.7	119	1204
2022-11-19 23:41	2022-11-19 18:41	6.7	Light C - Tote	5.01	21.01	11540	-1715	10415	-3031	985	-1873	51.2	38.8	116	1529
2022-11-19 23:41	2022-11-19 18:41	6.7	Light C - Tote	5.01	21.19	12405	-2759	11267	-2802	1212	-1990	50.5	39.5	98	628
2022-11-19 23:41	2022-11-19 18:41	6.7	Light C - Tote	5	21.19	11744	-3693	11444	-2651	1397	-2016	48	42	97	1032
2022-11-19 23:41	2022-11-19 18:41	6.7	Light C - Tote	5	21.19	11799	-1501	10933	-2530	880	-2440	50.5	39.5	51	2171
2022-11-19 23:41	2022-11-19 18:41	6.7	Light C - Tote	5	21.1	10944	-1518	11408	-2397	777	-2592	47.1	42.9	38	1288
2022-11-19 23:41	2022-11-19 18:41	6.4	Light C - Tote	5.01	21.1	10104	-4069	12012	-2137	806	-2759	42.1	47.9	298	1198
2022-11-19 23:41	2022-11-19 18:41	6.4	Light C - Tote	5	21.1	11324	-1572	12154	-2205	518	-2799	46.2	43.8	344	1972
2022-11-19 23:41	2022-11-19 18:41	6.4	Light C - Tote	5	21.22	11463	-2298	10949	-2315	311	-2777	49.4	40.6	309	915
2022-11-19 23:41	2022-11-19 18:41	6.4	Light C - Tote	5	21.22	11632	-1965	10969	-2373	219	-2762	49.9	40.1	308	765
2022-11-19 23:41	2022-11-19 18:41	6.4	Light C - Tote	5.01	21.22	11177	-2082	11821	-2352	148	-2778	46.5	43.5	295	2226
2022-11-19 23:41	2022-11-19 18:41	6.4	Light C - Tote	5	21.33	12426	-1734	10709	-2401	82	-2757	52.5	37.5	310	2188
2022-11-19 23:41	2022-11-19 18:41	6.4	Light C - Tote	5	21.33	12025	-1461	10295	-2594	-333	-2654	52.8	37.2	292	1533
2022-11-19 23:41	2022-11-19 18:41	6.4	Light C - Tote	5	21.33	12223	-266	10696	-2933	-869	-2340	52.3	37.7	277	1070
2022-11-19 23:41	2022-11-19 18:41	6.4	Light C - Tote	5	21.29	11288	-590	11093	-3236	-1078	-2014	49	41	264	2278
2022-11-19 23:41	2022-11-19 18:41	6.1	Light C - Tote	5	21.29	12424	-992	10284	-3442	-1145	-1749	53.8	36.2	268	1001
2022-11-19 23:41	2022-11-19 18:41	6.1	Light C - Tote	5	21.29	12097	-106	11211	-3653	-966	-1483	50.6	39.4	259	2164
2022-11-19 23:41	2022-11-19 18:41	6.1	Light C - Tote	5.01	21	11826	-1485	10769	-3858	-614	-1146	51	39	256	1354
2022-11-19 23:41	2022-11-19 18:41	6.1	Light C - Tote	5.01	21	12252	-1247	10903	-3858	-159	-1118	51.7	38.3	239	1933
2022-11-19 23:41	2022-11-19 18:41	6.1	Light C - Tote	5	21	12812	-1800	10301	-3743	367	-1105	54.4	35.6</		

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2022-11-19 23:42	2022-11-19 18:42	5.4	Light C - Tote	5	21.27	15723	1373	-1501	-4154	-1272	150	80.9	9.1	75	1431
2022-11-19 23:42	2022-11-19 18:42	5.4	Light C - Tote	5.01	21.27	14648	-1165	7798	-3271	-512	-2060	65.1	24.9	286	1461
2022-11-19 23:42	2022-11-19 18:42	5.4	Light C - Tote	5.01	21.27	7733	-826	15703	-1755	-109	-3122	28.9	61.1	268	1002
2022-11-19 23:42	2022-11-19 18:42	5.4	Light C - Tote	5.01	21.27	11307	1710	10916	-2512	-449	-2705	48.9	41.1	324	966
2022-11-19 23:42	2022-11-19 18:42	5.1	Light C - Tote	5	21.29	16104	1114	-1900	-4082	-552	-532	80.3	9.7	90	2056
2022-11-19 23:42	2022-11-19 18:42	5.1	Light C - Tote	5	21.29	10825	-1097	12541	-2098	291	-2918	44.1	45.9	331	1023
2022-11-19 23:42	2022-11-19 18:42	5.1	Light C - Tote	5	21.29	13138	801	6520	-3041	187	-2215	66.7	23.3	30	2690
2022-11-19 23:42	2022-11-19 18:42	5.1	Light C - Tote	5	21.18	15477	1371	3189	-3807	-75	-1180	79.4	10.6	57	3388
2022-11-19 23:42	2022-11-19 18:42	5.1	Light C - Tote	5	21.18	14850	366	4201	-3744	95	-1248	76.9	13.1	5	1516
2022-11-19 23:42	2022-11-19 18:42	5.1	Light C - Tote	5	21.16	10633	304	10821	-2563	681	-2497	48	42	79	1167
2022-11-19 23:42	2022-11-19 18:42	5.1	Light C - Tote	5.01	21.16	9440	-1438	12217	-1936	993	-2789	41	49	50	1654
2022-11-19 23:42	2022-11-19 18:42	5.1	Light C - Tote	5	21.16	10191	115	12215	-2643	823	-2368	43.2	46.8	107	1059
2022-11-19 23:42	2022-11-19 18:42	4.8	Light C - Tote	5	21.04	10070	-2269	13273	-2844	747	-2214	40.2	49.8	170	1337
2022-11-19 23:42	2022-11-19 18:42	4.8	Light C - Tote	5	21.04	10520	-1755	12167	-3186	568	-1930	44.1	45.9	179	1465
2022-11-19 23:42	2022-11-19 18:42	4.8	Light C - Tote	5	21.04	9523	434	14219	-3347	24	-1911	36.8	53.2	194	1468
2022-11-19 23:42	2022-11-19 18:42	4.8	Light C - Tote	5	20.98	9114	2960	13626	-3496	-320	-1785	36	54	193	1485
2022-11-19 23:42	2022-11-19 18:42	4.8	Light C - Tote	5	20.98	12085	135	11132	-3733	-725	-1394	50.8	39.2	253	1927
2022-11-19 23:42	2022-11-19 18:42	4.8	Light C - Tote	5.01	21.06	14649	-1016	5780	-4126	-787	-360	71.5	18.5	270	899
2022-11-19 23:42	2022-11-19 18:42	4.8	Light C - Tote	5.01	21.06	10113	-867	13346	-3476	-655	-1799	40.4	49.6	243	4374
2022-11-19 23:42	2022-11-19 18:42	4.8	Light C - Tote	5.01	20.94	8263	-191	14020	-3172	-840	-2118	33.5	56.5	238	5113
2022-11-19 23:42	2022-11-19 18:42	4.8	Light C - Tote	5	20.94	8835	-39	14091	-2951	-1115	-2284	35.1	54.9	250	752
2022-11-19 23:42	2022-11-19 18:42	4.5	Light C - Tote	5.01	20.72	2918	-4221	16057	-1835	-625	-3051	11.8	78.2	243	1689
2022-11-19 23:42	2022-11-19 18:42	4.5	Light C - Tote	5	20.72	4989	201	16509	-1558	-1073	-3060	19	71	256	1725
2022-11-19 23:42	2022-11-19 18:42	4.5	Light C - Tote	5.01	20.72	6809	-1922	14277	-1103	-896	-3200	28.2	61.8	289	2131
2022-11-19 23:42	2022-11-19 18:42	4.5	Light C - Tote	5	20.72	3934	2718	15792	-588	-619	-3291	15.6	74.4	320	939
2022-11-19 23:42	2022-11-19 18:42	4.5	Light C - Tote	5	21.36	4637	1382	15828	-828	337	-3332	18.3	71.7	56	2077
2022-11-19 23:42	2022-11-19 18:42	4.5	Light C - Tote	5	21.36	2871	2726	16436	-818	446	-3316	11.3	78.7	101	1083
2022-11-19 23:42	2022-11-19 18:42	4.5	Light C - Tote	5	21.37	3076	1264	15867	-1091	408	-3266	12.7	77.3	129	1546
2022-11-19 23:42	2022-11-19 18:42	4.5	Light C - Tote	5	21.37	2718	-1549	15306	-1369	480	-3192	11.8	78.2	191	3158
2022-11-19 23:42	2022-11-19 18:42	4.5	Light C - Tote	5	21.37	2529	1309	15834	-2051	-247	-2988	10.6	79.4	192	912
2022-11-19 23:42	2022-11-19 18:42	4.5	Light C - Tote	5.01	21.37	5385	5380	18936	-2796	-1023	-2430	18.5	71.5	202	4335
2022-11-19 23:42	2022-11-19 18:42	4.5	Light C - Tote	5	21.37	13612	2104	5138	-4168	-505	-145	70.4	19.6	265	2047
2022-11-19 23:42	2022-11-19 18:42	4.5	Light C - Tote	5	21.75	15330	57	-145	-4016	205	1267	87.1	2.9	309	1165
2022-11-19 23:42	2022-11-19 18:42	4.1	Light C - Tote	5	21.75	14791	-199	-5103	-3350	352	2606	70.1	19.9	353	3069
2022-11-19 23:42	2022-11-19 18:42	4.1	Light C - Tote	5.01	21.75	5977	3091	16125	-2959	-893	-2324	22.2	67.8	211	2709
2022-11-19 23:42	2022-11-19 18:42	4.1	Light C - Tote	5	21.17	6608	2087	14627	-2897	-1080	-2311	26.6	63.4	228	3201
2022-11-19 23:42	2022-11-19 18:42	4.1	Light C - Tote	5	21.17	16203	-1927	2388	-4212	-547	181	81.8	8.2	261	895
2022-11-19 23:42	2022-11-19 18:42	3.8	Light C - Tote	5	20.97	6356	1785	14955	-2563	-1312	-2525	25.4	64.6	240	818
2022-11-19 23:42	2022-11-19 18:42	3.8	Light C - Tote	5	20.97	9709	-49	12057	-2875	-1357	-2265	42.2	47.8	265	1750
2022-11-19 23:42	2022-11-19 18:42	3.8	Light C - Tote	5.01	20.97	15111	-2376	4394	-3961	-1053	-855	75	15	271	1541
2022-11-19 23:42	2022-11-19 18:42	3.8	Light C - Tote	5.01	20.85	343	549	17396	-1021	-1175	-3139	2.1	87.9	240	1112
2022-11-19 23:42	2022-11-19 18:42	3.8	Light C - Tote	5.01	20.85	14643	-1343	5357	-3769	-844	-1327	72.7	17.3	278	1923
2022-11-19 23:42	2022-11-19 18:42	3.8	Light C - Tote	5	21.37	15979	-1302	1743	-4050	-646	-679	84.8	5.2	268	1241
2022-11-19 23:42	2022-11-19 18:42	3.8	Light C - Tote	5	21.37	14242	-1114	7879	-3324	-681	-2000	64.3	25.7	282	1101
2022-11-19 23:42	2022-11-19 18:42	3.8	Light C - Tote	5	21.37	2334	1213	16946	-181	-395	-3321	9.3	80.7	312	659
2022-11-19 23:42	2022-11-19 18:42	3.8	Light C - Tote	5.01	21.36	9846	2129	12420	-1803	-339	-3095	41.1	48.9	357	2502
2022-11-19 23:42	2022-11-19 18:42	3.8	Light C - Tote	5	21.36	15908	323	2013	-3784	197	-1123	84.8	5.2	54	1668
2022-11-19 23:42	2022-11-19 18:42	3.8	Light C - Tote	5	21.36	10682	-427	9965	-2813	207	-2417	50.6	39.4	287	1917
2022-11-19 23:42	2022-11-19 18:42	3.8	Light C - Tote	5	21.14	9703	605	12622	-1474	-184	-3206	40.8	49.2	343	2800
2022-11-20 0:13	2022-11-19 19:13	9.3	Light D - Teardrop	5.01	21.29	3420	-2970	16314	-1914	769	-2855	13.6	76.4	182	356
2022-11-20 0:13	2022-11-19 19:13	9.3	Light D - Teardrop	5.01	21.29	3791	-2728	16319	-2045	644	-2836	14.9	75.1	187	477
2022-11-20 0:13	2022-11-19 19:13	9.3	Light D - Teardrop	5.01	21.1	4548	-1163	16103	-2383	177	-2722	17.9	72.1	195	904
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5.01	21.1	2654	-2172	16257	-1829	-458	-3053	10.9	79.1	229	1202
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5.01	21.1	2094	-144	16843	-1741	-754	-3051	8.5	81.5	225	797
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5.01	21.48	2882	-1763	16109	-1428	-725	-3152	11.7	78.3	245	504
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5.01	21.48	3901	-1557	16301	-1242	-688	-3201	15.4	74.6	258	678
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5.01	21.48	4501	-1333	16245	-1033	-521	-3264	17.6	72.4	271	665
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5.01	21.48	3634	-1328	16676	-549	-260	-3331	14.1	75.9	289	993
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5.01	21.46	3173	-2647	17070	-248	249	-3351	12.2	77.8	310	870
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5	21.46	3534	-886	16318	-346	501	-3327	14.1	75.9	6	584
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5.01	21.46	3767	-616	16272	-343	588	-3317	15	75	20	664
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5.01	21.46	2569	-604	16071	-669	1002	-3206	10.7	79.3	94	424
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5.01	21.46	1973	-2140	17218	-885	1111	-3136	7.9	82.1	133	662
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5.01	21.75	2654	-405	16418	-1344	929	-3086	10.8	79.2	139	615
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5	21.75	3378	266	16263	-1764	570	-3012	13.5	76.5	158	766
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5	21.75	2572	-1065	16282	-1953	165	-2992	10.6	79.4	195	283
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5.01	21.75	2641	-1312	16226	-1901	-259	-3038	10.9	79.1	216	1137
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5.01	21.75	3026	-649	16582	-1906	-639	-3007	12.1	77.9	226	781
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5.01	21.71	3207	-753	16419	-1558	-821	-3092	12.8	77.2	242	505
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5.01	21.71	5176	-2238	16139	-1577	-658	-3123	19.9	70.1	257	755
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5.01	21.71	7291	-243	15109	-1519	-529	-3152	28.5	61.5	282	607
2022-11-20 0:13	2022-11-19 19:13	9	Light D - Teardrop	5.01	21.17	6260	-1650	15372	-1149	-147	-3272	24.7	65.3	291	1321
2022-11-20 0:13	2022-11-19 19:13	9													

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2022-11-20 0:14	2022-11-19 19:14	8.7	Light D - Teardrop	5.01	20.99	8323	-32	14450	-2476	-1128	-2589	32.9	57.1	257	397
2022-11-20 0:14	2022-11-19 19:14	8.7	Light D - Teardrop	5.01	20.99	8684	-833	14171	-2342	-1098	-2685	34.5	55.5	264	2356
2022-11-20 0:14	2022-11-19 19:14	8.3	Light D - Teardrop	5.01	20.96	8174	1044	14380	-2041	-962	-2875	32.4	57.6	267	1159
2022-11-20 0:14	2022-11-19 19:14	8.3	Light D - Teardrop	5.01	20.96	8103	-559	14068	-1815	-445	-3056	32.9	57.1	280	948
2022-11-20 0:14	2022-11-19 19:14	8.3	Light D - Teardrop	5.01	20.96	8113	-1313	14344	-1398	156	-3205	32.4	57.6	320	1544
2022-11-20 0:14	2022-11-19 19:14	8.3	Light D - Teardrop	5.01	21.22	7905	-976	14483	-1449	330	-3166	31.5	58.5	338	976
2022-11-20 0:14	2022-11-19 19:14	8.3	Light D - Teardrop	5	21.22	8517	745	13120	-1676	476	-3072	36	54	46	2154
2022-11-20 0:14	2022-11-19 19:14	8.3	Light D - Teardrop	5	21.22	7181	-1157	14956	-1676	862	-2975	28.4	61.6	96	967
2022-11-20 0:14	2022-11-19 19:14	8.3	Light D - Teardrop	5	21.05	6981	-2497	15203	-1966	1093	-2720	27.2	62.8	137	487
2022-11-20 0:14	2022-11-19 19:14	8.3	Light D - Teardrop	5	21.05	7365	-860	15038	-2366	890	-2537	28.9	61.1	142	533
2022-11-20 0:14	2022-11-19 19:14	8.3	Light D - Teardrop	5	21.05	7885	-990	14491	-2705	607	-2381	31.5	58.5	167	374
2022-11-20 0:14	2022-11-19 19:14	8.3	Light D - Teardrop	5.01	21.22	7282	153	14788	-2828	331	-2361	29	61	174	1033
2022-11-20 0:14	2022-11-19 19:14	8.3	Light D - Teardrop	5.01	21.22	7782	-387	14846	-3033	-90	-2248	30.5	59.5	206	657
2022-11-20 0:14	2022-11-19 19:14	8.3	Light D - Teardrop	5.01	20.84	8174	-942	14623	-3054	-364	-2245	32.1	57.9	225	816
2022-11-20 0:14	2022-11-19 19:14	8.3	Light D - Teardrop	5	20.84	8908	-196	13536	-2973	-702	-2299	36.5	53.5	242	722
2022-11-20 0:14	2022-11-19 19:14	8	Light D - Teardrop	5.01	20.94	12144	-288	9968	-3570	-938	-1577	54.1	35.9	264	1420
2022-11-20 0:14	2022-11-19 19:14	8	Light D - Teardrop	5	20.94	14054	-379	6147	-3975	-1220	-568	69.7	20.3	272	1396
2022-11-20 0:14	2022-11-19 19:14	8	Light D - Teardrop	5	20.92	9889	-975	12850	-2914	-1077	-2277	40.9	49.1	260	1341
2022-11-20 0:14	2022-11-19 19:14	8	Light D - Teardrop	5	20.92	9966	-1091	12615	-2633	-960	-2528	41.6	48.4	267	371
2022-11-20 0:14	2022-11-19 19:14	8	Light D - Teardrop	5.01	20.92	10312	53	12654	-2338	-802	-2746	42.5	47.5	280	424
2022-11-20 0:14	2022-11-19 19:14	8	Light D - Teardrop	5.01	21.13	9747	1912	13163	-2056	-633	-2937	39.2	50.8	303	1031
2022-11-20 0:14	2022-11-19 19:14	8	Light D - Teardrop	5.01	21.13	9618	-970	13727	-1895	158	-3010	38.2	51.8	313	1282
2022-11-20 0:14	2022-11-19 19:14	8	Light D - Teardrop	5	21.13	10147	-1111	13002	-2025	563	-2859	41.2	48.8	10	680
2022-11-20 0:14	2022-11-19 19:14	8	Light D - Teardrop	5	21.11	10110	1048	12739	-2348	502	-2684	41.5	48.5	89	829
2022-11-20 0:14	2022-11-19 19:14	8	Light D - Teardrop	5	21.11	9273	378	13602	-2608	590	-2463	37.4	52.6	135	942
2022-11-20 0:14	2022-11-19 19:14	8	Light D - Teardrop	5	21.11	11359	214	12276	-3136	496	-1969	46.1	43.9	146	1019
2022-11-20 0:14	2022-11-19 19:14	8	Light D - Teardrop	5	21.06	13112	1620	8353	-3842	128	-931	60.2	29.8	167	1217
2022-11-20 0:14	2022-11-19 19:14	8	Light D - Teardrop	5	21.06	12521	1614	10671	-3790	-167	-1180	52.4	37.6	215	1056
2022-11-20 0:14	2022-11-19 19:14	7.7	Light D - Teardrop	5	21.13	12176	2063	11029	-3824	-473	-1145	50.5	39.5	234	936
2022-11-20 0:14	2022-11-19 19:14	7.7	Light D - Teardrop	5.01	21.13	14311	-77	9465	-3848	-1021	-1029	59.8	30.2	267	1149
2022-11-20 0:14	2022-11-19 19:14	7.7	Light D - Teardrop	5.01	21.13	15155	1425	776	-4124	-1114	225	83.9	6.1	317	4258
2022-11-20 0:14	2022-11-19 19:14	7.7	Light D - Teardrop	5	21.08	15755	759	-7632	-3667	-1219	2190	63.6	26.4	68	606
2022-11-20 0:14	2022-11-19 19:14	7.7	Light D - Teardrop	5.01	21.08	13171	-4358	10347	-3926	-211	-847	53.2	36.8	256	746
2022-11-20 0:14	2022-11-19 19:14	7.7	Light D - Teardrop	5	21.08	12193	-4323	9987	-3722	73	-1202	52	38	246	525
2022-11-20 0:14	2022-11-19 19:14	7.7	Light D - Teardrop	5.01	21.15	13368	49	8753	-3609	-1293	-1374	60.2	29.8	272	330
2022-11-20 0:14	2022-11-19 19:14	7.7	Light D - Teardrop	5.01	21.15	13577	-529	10135	-3344	-888	-1852	56.7	33.3	270	1077
2022-11-20 0:14	2022-11-19 19:14	7.7	Light D - Teardrop	5.01	21.15	15249	-829	4595	-3553	-613	-1581	76.1	13.9	288	1294
2022-11-20 0:14	2022-11-19 19:14	7.7	Light D - Teardrop	5.01	21.12	15627	763	-2023	-4133	-921	141	80.4	9.6	84	839
2022-11-20 0:14	2022-11-19 19:14	7.7	Light D - Teardrop	5	21.12	14672	733	5970	-3612	-732	-1504	70.7	19.3	290	1490
2022-11-20 0:15	2022-11-19 19:15	7.7	Light D - Teardrop	5	21.12	13160	-679	11352	-2789	314	-2383	52.6	37.4	323	1506
2022-11-20 0:15	2022-11-19 19:15	7.7	Light D - Teardrop	5.01	21.23	13439	-157	10029	-2967	689	-2052	56.7	33.3	82	1066
2022-11-20 0:15	2022-11-19 19:15	7.4	Light D - Teardrop	5	21.23	12385	-440	11019	-3201	789	-1719	51.8	38.2	121	377
2022-11-20 0:15	2022-11-19 19:15	7.4	Light D - Teardrop	5	21.23	6113	-3892	16116	-1619	698	-3007	22.8	67.2	228	3170
2022-11-20 1:22	2022-11-19 20:22	13.8	Light B - Tuzyk	5.15	21.38	616	4888	15931	2043	1070	-1875	3	87	49	2744
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5.01	21.34	4945	299	16105	-1372	682	-3124	19.2	70.8	117	428
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5.01	21.34	5341	481	15912	-1531	709	-3056	20.8	69.2	119	582
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5.01	21.37	5140	474	16022	-1605	714	-3026	20	70	127	330
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5.01	21.37	6356	-2071	15425	-1744	733	-2958	24.9	65.1	169	1185
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5	21.37	4830	2324	15834	-2273	209	-2777	18.8	71.2	160	929
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5.01	21.37	5340	-173	15872	-2461	23	-2669	20.9	69.1	196	620
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5.01	21.37	5117	157	16038	-2571	-190	-2611	19.9	70.1	202	720
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5.01	21.37	5901	-649	15682	-2597	-466	-2589	23.1	66.9	223	757
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5.01	21.37	5319	509	15882	-2365	-892	-2692	20.8	69.2	231	588
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5.01	22.05	5028	-422	16740	-2232	-1083	-2729	18.9	71.1	240	191
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5.01	22.05	6282	-153	15511	-2143	-1148	-2757	24.6	65.4	251	1039
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5.01	22.05	6369	-665	15712	-1697	-900	-3014	24.6	65.4	263	780
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5.01	21.44	6364	3	15085	-1453	-810	-3111	25.5	64.5	275	666
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5.01	21.44	6949	-3148	14448	-1093	-288	-3270	28.1	61.9	292	977
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5.01	21.44	8400	2162	12503	-1630	-518	-3110	36.5	53.5	339	806
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5.01	21.08	6494	-814	17114	-1493	-115	-3168	23.1	66.9	258	3975
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5.01	21.08	4787	-3114	13666	-1180	-110	-3247	21.5	68.5	274	1111
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5.01	20.95	2378	-1116	20054	-1429	-707	-3114	9.4	80.6	238	1799
2022-11-20 1:23	2022-11-19 20:23	13.5	Light B - Tuzyk	5.01	20.95	6294	-2074	15001	-1861	-980	-2903	25.3	64.7	261	392
2022-11-20 1:23	2022-11-19 20:23	13.2	Light B - Tuzyk	5.01	20.95	11221	2775	12195	-2477	-691	-2571	44.9	45.1	292	1264
2022-11-20 1:23	2022-11-19 20:23	13.2	Light B - Tuzyk	5.01	20.95	11055	-519	12049	-2524	-589	-2538	45.9	44.1	276	265
2022-11-20 1:23	2022-11-19 20:23	13.2	Light B - Tuzyk	5.01	21.43	12472	489	10106	-2666	-666	-2419	54.3	35.7	295	388
2022-11-20 1:23	2022-11-19 20:23	13.2	Light B - Tuzyk	5.01	21.43	13722	1193	8516	-3092	-934	-1980	61.1	28.9	289	805
2022-11-20 1:23	2022-11-19 20:23	13.2	Light B - Tuzyk	5.01	21.43	13625	416	8615	-3104	-849	-1991	61	29	285	547
2022-11-20 1:23	2022-11-19 20:23	13.2	Light B - Tuzyk	5.01	21.3	12767	-210	10126	-2746	-314	-2377	55	35	294	594
2022-11-20 1:23	2022-11-19 20:23	13.2	Light B - Tuzyk	5.01	21.3	12103	-212	10934	-2554	222	-2482	51.4	38.6	342	451
2022-11-20 1:23	2022-11-19 20:23	13.2	Light B - Tuzyk	5	21.3	12043	152	12108	-2558	329	-2459	48.2	41.8	55	691
2022-11-20 1:23	2022-11-19 20:23	13.2	Light B - Tuzyk	5.01	21.18	11406	796	11737	-2567	366	-2453	47.4	42.		

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2022-11-20 1:24	2022-11-19 20:24	12.5	Light B - Tuzyk	5	20.94	9439	1467	13599	-2145	263	-2613	37.6	52.4	107	736
2022-11-20 1:24	2022-11-19 20:24	12.5	Light B - Tuzyk	5.01	21.14	10140	1157	12471	-2457	476	-2389	42.2	47.8	109	222
2022-11-20 1:24	2022-11-19 20:24	12.5	Light B - Tuzyk	5.01	21.14	8918	2445	13516	-2662	91	-2327	35.9	54.1	154	1466
2022-11-20 1:24	2022-11-19 20:24	12.2	Light B - Tuzyk	5.01	21.04	9023	1954	13480	-2860	-99	-2175	36.5	53.5	183	482
2022-11-20 1:24	2022-11-19 20:24	12.2	Light B - Tuzyk	5.01	21.04	7279	1644	15616	-2667	-287	-2365	27.4	62.6	199	2714
2022-11-20 1:24	2022-11-19 20:24	12.2	Light B - Tuzyk	5.01	21.04	6001	-311	17259	-2542	-298	-2468	21.4	68.6	212	4092
2022-11-20 1:24	2022-11-19 20:24	12.2	Light B - Tuzyk	5.01	21.04	10046	-1009	12842	-2954	-154	-2082	41.3	48.7	232	1377
2022-11-20 1:24	2022-11-19 20:24	12.2	Light B - Tuzyk	5	21.31	8218	-910	14573	-2835	374	-2098	32.3	57.7	183	1658
2022-11-20 1:24	2022-11-19 20:24	12.2	Light B - Tuzyk	5	21.31	9199	-886	14384	-2745	415	-2163	35.6	54.4	179	1315
2022-11-20 1:24	2022-11-19 20:24	12.2	Light B - Tuzyk	5.01	21.1	8878	788	14136	-3044	-134	-2021	35.1	54.9	201	850
2022-11-20 1:24	2022-11-19 20:24	12.2	Light B - Tuzyk	5.01	21.1	10494	1877	12162	-3366	-499	-1609	43.6	46.4	223	675
2022-11-20 1:24	2022-11-19 20:24	12.2	Light B - Tuzyk	5.01	21.1	13406	1959	8792	-3755	-1100	-697	59.2	30.8	265	1157
2022-11-20 1:24	2022-11-19 20:24	11.9	Light B - Tuzyk	5	21.05	16208	1082	3523	-3942	-1050	372	79.1	10.9	272	907
2022-11-20 1:24	2022-11-19 20:24	11.9	Light B - Tuzyk	5	21.05	15211	1061	3141	-3883	-1276	571	79.9	10.1	272	1184
2022-11-20 1:24	2022-11-19 20:24	11.9	Light B - Tuzyk	5.01	21.05	12567	3161	10486	-3388	-1491	-1147	51.9	38.1	263	1877
2022-11-20 1:24	2022-11-19 20:24	11.9	Light B - Tuzyk	5.01	21.1	7177	-377	14312	-1904	-628	-2729	29.5	60.5	258	1437
2022-11-20 1:24	2022-11-19 20:24	11.9	Light B - Tuzyk	5.01	21.1	8258	-2435	14546	-1703	-288	-2821	32.3	57.7	274	558
2022-11-20 1:24	2022-11-19 20:24	11.9	Light B - Tuzyk	5.01	20.97	9840	-1438	14290	-1928	-62	-2652	37.6	52.4	277	738
2022-11-20 1:24	2022-11-19 20:24	11.9	Light B - Tuzyk	5.01	20.97	11916	164	11259	-2317	-181	-2464	50	40	308	534
2022-11-20 1:24	2022-11-19 20:24	11.9	Light B - Tuzyk	5.01	20.97	15182	805	5559	-3213	-342	-1611	72.5	17.5	318	1259
2022-11-20 1:24	2022-11-19 20:24	11.9	Light B - Tuzyk	5.01	21.24	15943	940	113	-3750	-533	-517	85.5	4.5	81	670
2022-11-20 1:24	2022-11-19 20:24	11.6	Light B - Tuzyk	5.01	21.24	16036	991	-2963	-3873	-686	159	77.3	12.7	88	556
2022-11-20 1:24	2022-11-19 20:24	11.6	Light B - Tuzyk	5.01	21.24	12336	774	10954	-2480	-37	-2330	51.6	38.4	331	187
2022-11-20 1:24	2022-11-19 20:24	11.6	Light B - Tuzyk	5.01	21.17	10718	879	12615	-2349	376	-2419	43.5	46.5	97	568
2022-11-20 1:24	2022-11-19 20:24	11.6	Light B - Tuzyk	5	21.17	10086	617	12998	-2386	514	-2392	41	49	114	446
2022-11-20 1:24	2022-11-19 20:24	11.6	Light B - Tuzyk	5	21.17	10325	728	12266	-2624	476	-2221	43.3	46.7	126	711
2022-11-20 1:24	2022-11-19 20:24	11.6	Light B - Tuzyk	5.01	21.04	6811	-856	15316	-1436	655	-2861	26.6	63.4	90	695
2022-11-20 1:24	2022-11-19 20:24	11.6	Light B - Tuzyk	5.01	21.04	7393	925	14758	-1637	342	-2844	29.3	60.7	99	413
2022-11-20 1:24	2022-11-19 20:24	11.6	Light B - Tuzyk	5	21.04	7269	-339	16683	-1725	459	-2782	26.1	63.9	155	1209
2022-11-20 1:24	2022-11-19 20:24	11.2	Light B - Tuzyk	5	21.04	9962	2822	11910	-2747	28	-2228	42.2	47.8	138	1907
2022-11-20 1:24	2022-11-19 20:24	11.2	Light B - Tuzyk	5	21.04	10775	457	13209	-2906	469	-2003	42.4	47.6	149	630
2022-11-20 1:24	2022-11-19 20:24	11.2	Light B - Tuzyk	5	21.11	584	16386	17442	26753	4476	380	1.9	88.1	132	25788
2022-11-20 1:24	2022-11-19 20:24	11.2	Light B - Tuzyk	5	21.11	10489	3185	13391	-3305	-253	-1710	40.2	49.8	188	1373
2022-11-20 1:24	2022-11-19 20:24	11.2	Light B - Tuzyk	5.01	21.11	16148	-562	1847	-3930	-108	670	85.7	4.3	245	548
2022-11-20 1:24	2022-11-19 20:24	11.2	Light B - Tuzyk	5	21.1	15700	785	3101	-3954	-592	527	80.7	9.3	269	822
2022-11-20 1:24	2022-11-19 20:24	11.2	Light B - Tuzyk	5	21.1	15535	1319	2300	-3849	-1284	576	81.9	8.1	278	587
2022-11-20 1:24	2022-11-19 20:24	11.2	Light B - Tuzyk	5	21.1	15627	2020	2397	-3748	-1446	114	79.9	10.1	289	259
2022-11-20 1:24	2022-11-19 20:24	11.2	Light B - Tuzyk	5.01	21.16	10643	500	13180	-2914	-1251	-1851	42.1	47.9	259	701
2022-11-20 1:24	2022-11-19 20:24	10.9	Light B - Tuzyk	5	21.16	11013	2383	11775	-2709	-1381	-1960	45.6	44.4	268	341
2022-11-20 1:24	2022-11-19 20:24	10.9	Light B - Tuzyk	5.01	20.93	11562	-5188	15279	-3282	-632	-1563	38.8	51.2	252	3288
2022-11-20 1:24	2022-11-19 20:24	10.9	Light B - Tuzyk	5.01	20.93	14890	-1037	6258	-3605	-551	-610	70.3	19.7	269	3178
2022-11-20 1:47	2022-11-19 20:47	10.6	Light A - Dixie	5	20.15	4658	-439	16160	-566	-156	-3345	18.2	71.8	314	217
2022-11-20 1:47	2022-11-19 20:47	10.6	Light A - Dixie	5.01	20.15	4894	-415	15936	-604	-160	-3339	19.3	70.7	316	522
2022-11-20 1:47	2022-11-19 20:47	10.6	Light A - Dixie	5	20.12	7885	-732	14267	-3383	4052	374	31.9	58.1	89	788
2022-11-20 1:47	2022-11-19 20:47	10.3	Light A - Dixie	5	20.26	7393	-537	14701	-1267	-158	-3238	29.5	60.5	311	1075
2022-11-20 1:47	2022-11-19 20:47	10.3	Light A - Dixie	5	20.14	6572	-1186	15221	-1123	-246	-3274	26	64	298	789
2022-11-20 1:47	2022-11-19 20:47	10.3	Light A - Dixie	5	20.14	6293	-1561	15263	-1091	-239	-3279	24.9	65.1	294	1008
2022-11-20 1:47	2022-11-19 20:47	10.3	Light A - Dixie	5.01	20.26	6742	-677	15406	-1269	-534	-3204	26.3	63.7	287	803
2022-11-20 1:47	2022-11-19 20:47	10.3	Light A - Dixie	5	20.26	6615	-1371	15077	-1510	-734	-3118	26.3	63.7	273	694
2022-11-20 1:47	2022-11-19 20:47	10.3	Light A - Dixie	5	20.65	6758	-1508	15147	-1205	-279	-3258	26.7	63.3	293	660
2022-11-20 1:47	2022-11-19 20:47	10.3	Light A - Dixie	5	20.34	7418	-136	14946	-1110	168	-3273	29.2	60.8	348	598
2022-11-20 1:47	2022-11-19 20:47	10.3	Light A - Dixie	5	20.34	5382	-812	15806	-1061	809	-3188	21.1	68.9	67	1671
2022-11-20 1:47	2022-11-19 20:47	10.3	Light A - Dixie	5	20.34	5227	-1766	15601	-1323	1140	-3002	20.8	69.2	103	434
2022-11-20 1:47	2022-11-19 20:47	10.3	Light A - Dixie	5	21.32	5167	12	15584	-1858	882	-2860	20.6	69.4	134	241
2022-11-20 1:47	2022-11-19 20:47	10.3	Light A - Dixie	5	21.32	4906	917	16194	-2238	453	-2763	18.9	71.1	160	1470
2022-11-20 1:47	2022-11-19 20:47	10.3	Light A - Dixie	5	21.32	5896	-2412	14703	-2523	2	-2640	24.3	65.7	220	1705
2022-11-20 1:47	2022-11-19 20:47	10.3	Light A - Dixie	5	21.32	3977	95	17335	-2263	-539	-2807	14.8	75.2	216	1675
2022-11-20 1:47	2022-11-19 20:47	9.9	Light A - Dixie	5	21.46	3418	-725	16821	-1470	-706	-3131	13.3	76.7	242	3608
2022-11-20 1:47	2022-11-19 20:47	9.9	Light A - Dixie	5	21.46	4227	-2305	16021	-1073	-615	-3230	16.8	73.2	268	647
2022-11-20 1:47	2022-11-19 20:47	9.9	Light A - Dixie	5	21.46	5556	-837	15985	-1010	-596	-3252	21.5	68.5	284	328
2022-11-20 1:47	2022-11-19 20:47	9.9	Light A - Dixie	5	21.2	5154	-762	16025	-854	-501	-3280	20.1	69.9	290	528
2022-11-20 1:47	2022-11-19 20:47	9.9	Light A - Dixie	5	20.36	7013	849	14348	-1135	-501	-3246	28.7	61.3	315	757
2022-11-20 1:47	2022-11-19 20:47	9.9	Light A - Dixie	5	20.36	7380	533	15417	-1080	-3	-3292	28.2	61.8	346	1007
2022-11-20 1:47	2022-11-19 20:47	9.9	Light A - Dixie	5	20.29	8651	1296	14157	-1377	226	-3202	34.2	55.8	25	581
2022-11-20 1:47	2022-11-19 20:47	9.9	Light A - Dixie	5.01	20.29	8671	1818	13898	-1850	360	-2996	34.6	55.4	75	989
2022-11-20 1:47	2022-11-19 20:47	9.9	Light A - Dixie	5	21.23	8407	1554	13673	-2006	529	-2877	34.3	55.7	93	3272
2022-11-20 1:47	2022-11-19 20:47	9.9	Light A - Dixie	5	21.23	9049	1221	13839	-2053	536	-2845	36.1	53.9	89	777
2022-11-20 1:47	2022-11-19 20:47	9.9	Light A - Dixie	5.01	21.23	9214	1153	13941	-2104	476	-2831	36.4	53.6	93	374
2022-11-20 1:47	2022-11-19 20:47	9.9	Light A - Dixie	5	21.17	8854	2103	13879	-2310	613	-2639	35.1	54.9	110	646
2022-11-20 1:47	2022-11-19 20:47	9.6	Light A - Dixie	5.01	21.17	7744	-375	13843	-2630	690	-2342	32.2	57.8	151	1395
2022-11-20 1:47	2022-11-19 20:47	9.6	Light A - Dixie	5.01	21.08	7378	-375	13710	-2817	290	-2295	31.3	58.7	183	1277
2022-11-20 1:47	2022-11-19 20:47	9.6	Light A - Dixie	5.01	21.08	6595	1412	15695	-2848	-173	-2361	25.2	64.8	192	601

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2022-11-20 1:48	2022-11-19 20:48		9 Light A - Dixie	5.01	21.02	11057	-1398	12067	-2858	1012	-1804	45.8	44.2	122	983
2022-11-20 1:48	2022-11-19 20:48		8.7 Light A - Dixie	5	21.02	11013	-1120	12194	-3064	763	-1714	45.4	44.6	143	638
2022-11-20 1:48	2022-11-19 20:48		8.7 Light A - Dixie	5	21.12	11269	-619	11604	-3256	530	-1597	47.6	42.4	159	866
2022-11-20 1:48	2022-11-19 20:48		8.7 Light A - Dixie	5	21.12	11216	-1280	12396	-3397	253	-1528	45.4	44.6	200	1207
2022-11-20 1:48	2022-11-19 20:48		8.7 Light A - Dixie	5	21.12	11597	-1824	12097	-3533	28	-1402	47	43	225	714
2022-11-20 1:48	2022-11-19 20:48		8.7 Light A - Dixie	5	21.11	10706	-2335	11696	-3582	-47	-1358	45.5	44.5	232	588
2022-11-20 1:48	2022-11-19 20:48		8.7 Light A - Dixie	5.01	21.11	12014	-1231	11542	-3671	-639	-1314	49.5	40.5	254	1234
2022-11-20 1:48	2022-11-19 20:48		8.7 Light A - Dixie	5	21.11	11929	-1262	11235	-3498	-920	-1576	50.1	39.9	261	1270
2022-11-20 1:48	2022-11-19 20:48		8.7 Light A - Dixie	5	21.13	10534	-3157	12208	-2838	-675	-2354	43.4	46.6	263	1228
2022-11-20 1:48	2022-11-19 20:48		8.7 Light A - Dixie	5	21.13	12040	-400	11593	-2458	-365	-2663	49.5	40.5	296	668
2022-11-20 1:48	2022-11-19 20:48		8.3 Light A - Dixie	5.01	20.85	13564	-1799	7799	-2863	-112	-2316	63.1	26.9	297	527
2022-11-20 1:48	2022-11-19 20:48		8.3 Light A - Dixie	5	20.85	12572	-917	10369	-2646	230	-2429	53.9	36.1	317	1136
2022-11-20 1:48	2022-11-19 20:48		8.3 Light A - Dixie	5	20.85	12430	-2088	10548	-2501	826	-2336	52.8	37.2	18	835
2022-11-20 1:48	2022-11-19 20:48		8.3 Light A - Dixie	5	21.06	12479	-414	10291	-2791	760	-2060	54	36	86	264
2022-11-20 1:48	2022-11-19 20:48		8.3 Light A - Dixie	5	21.06	12601	160	10971	-3023	703	-1793	52.3	37.7	113	679
2022-11-20 1:48	2022-11-19 20:48		8.3 Light A - Dixie	5	21.14	14449	1447	7014	-3569	392	-1114	66.6	23.4	103	584
2022-11-20 1:48	2022-11-19 20:48		8.3 Light A - Dixie	5.01	21.14	15645	1394	4772	-3920	-30	-368	74.8	15.2	252	1154
2022-11-20 1:48	2022-11-19 20:48		8.3 Light A - Dixie	5	21.14	12417	1458	9869	-3585	20	-1279	54.5	35.5	188	817
2022-11-20 1:48	2022-11-19 20:48		8.3 Light A - Dixie	5	21.14	8111	-3186	13834	-1884	881	-2725	32.9	57.1	209	1509
2022-11-20 1:48	2022-11-19 20:48		8 Light A - Dixie	5	21.24	7185	-2578	14902	-1565	-119	-3104	28.3	61.7	275	886
2022-11-20 1:48	2022-11-19 20:48		8 Light A - Dixie	5	20.62	6740	-3044	14516	-2377	-499	-2717	27.3	62.7	247	1214
2022-11-20 1:48	2022-11-19 20:48		8 Light A - Dixie	5	20.62	6566	-2254	15096	-2684	-231	-2499	26	64	226	724
2022-11-20 1:48	2022-11-19 20:48		8 Light A - Dixie	5	20.62	7078	-1652	13743	-2855	5	-2323	30.1	59.9	214	1198
2022-11-20 1:48	2022-11-19 20:48		8 Light A - Dixie	5	21.2	7083	3912	14799	-2524	93	-2575	27.2	62.8	146	430
2022-11-20 1:48	2022-11-19 20:48		8 Light A - Dixie	5	21.2	4914	1170	14324	-1467	565	-3047	21.2	68.8	113	1447
2022-11-20 1:48	2022-11-19 20:48		8 Light A - Dixie	5	20.79	2848	-2060	17239	-1288	-519	-3159	11	79	244	1546
2022-11-20 1:48	2022-11-19 20:48		8 Light A - Dixie	5	20.79	4845	-2280	14760	-1600	-652	-3059	20.4	69.6	257	930
2022-11-20 1:48	2022-11-19 20:48		7.7 Light A - Dixie	5	20.79	7450	-330	13698	-1430	-339	-3145	31.5	58.5	301	990
2022-11-20 1:48	2022-11-19 20:48		7.7 Light A - Dixie	5	21.08	15176	2399	6027	-3417	-824	-1675	69.3	20.7	323	905
2022-11-20 1:48	2022-11-19 20:48		7.7 Light A - Dixie	5	21.08	14946	-771	-5602	-4070	-635	176	68.6	21.4	91	1597
2022-11-20 1:48	2022-11-19 20:48		7.7 Light A - Dixie	5	21.08	15808	-884	-3713	-4058	-370	601	75.4	14.6	90	1177
2022-11-20 1:48	2022-11-19 20:48		7.7 Light A - Dixie	5	21.16	16422	227	2559	-3937	50	-346	83.1	6.9	271	1056
2022-11-20 1:48	2022-11-19 20:48		7.7 Light A - Dixie	5	21.16	7964	2130	14162	-2916	-2	-2232	31.8	58.2	174	861
2023-02-25 1:32	2023-02-24 19:32		13.5 Light C - Tote	5.01	20.37	4455	1057	15289	-489	627	-3356	18.3	71.7	46	4488
2023-02-25 1:32	2023-02-24 19:32		13.5 Light C - Tote	5.01	20.19	6121	-1332	13919	-744	1324	-3144	26.5	63.5	44	6597
2023-02-25 1:32	2023-02-24 19:32		13.5 Light C - Tote	5	20.21	7016	-1832	13341	-1131	1310	-3040	30.6	59.4	45	1176
2023-02-25 1:32	2023-02-24 19:32		13.5 Light C - Tote	5.01	20.21	5757	-2023	13168	-1060	1373	-3038	26.3	63.7	55	1626
2023-02-25 1:32	2023-02-24 19:32		13.5 Light C - Tote	5	20.24	4167	-2312	15250	-1344	1338	-2949	17.3	72.7	118	3112
2023-02-25 1:32	2023-02-24 19:32		13.5 Light C - Tote	5	20.3	7640	-2622	13770	-1724	1353	-2748	31.7	58.3	84	3679
2023-02-25 1:32	2023-02-24 19:32		13.5 Light C - Tote	5	20.3	7803	-2645	14239	-1820	1315	-2699	31.4	58.6	96	2162
2023-02-25 1:32	2023-02-24 19:32		13.5 Light C - Tote	5	20.5	6341	-2201	15096	-2132	1128	-2581	25.3	64.7	143	2081
2023-02-25 1:32	2023-02-24 19:32		13.5 Light C - Tote	5.01	20.65	5241	-1658	15914	-2285	961	-2529	20.5	69.5	156	2617
2023-02-25 1:32	2023-02-24 19:32		13.5 Light C - Tote	5.01	20.65	4845	-2593	15454	-2330	593	-2623	19.5	70.5	188	3326
2023-02-25 1:32	2023-02-24 19:32		13.5 Light C - Tote	5.01	20.69	5276	-3265	15073	-2453	497	-2550	21.4	68.6	199	3847
2023-02-25 1:32	2023-02-24 19:32		13.5 Light C - Tote	5	20.69	6936	-1184	13882	-2557	297	-2505	29.4	60.6	195	1953
2023-02-25 1:32	2023-02-24 19:32		13.2 Light C - Tote	5	20.36	7470	-2145	14288	-2596	117	-2506	30.3	59.7	219	1837
2023-02-25 1:32	2023-02-24 19:32		13.2 Light C - Tote	5.01	19.74	5506	-3028	14571	-2493	-35	-2601	22.9	67.1	224	2745
2023-02-25 1:32	2023-02-24 19:32		13.2 Light C - Tote	5.01	19.49	9236	-2638	14952	-2364	-172	-2701	34.4	55.6	252	2828
2023-02-25 1:32	2023-02-24 19:32		13.2 Light C - Tote	5.01	17.79	7399	-869	13068	-2127	-341	-2853	32.6	57.4	257	2166
2023-02-25 1:32	2023-02-24 19:32		13.2 Light C - Tote	5	18.66	5704	-1968	16825	-1830	-437	-2998	20.9	69.1	245	1683
2023-02-25 1:32	2023-02-24 19:32		13.2 Light C - Tote	5.01	19.04	5668	-1837	16152	-1669	-341	-3085	21.6	68.4	251	2033
2023-02-25 1:32	2023-02-24 19:32		13.2 Light C - Tote	5	19.5	6396	-2070	13772	-1404	-208	-3191	27.6	62.4	283	2261
2023-02-25 1:32	2023-02-24 19:32		13.2 Light C - Tote	5	19.84	6400	-5708	15403	-1001	16	-3313	23.9	66.1	285	1915
2023-02-25 1:32	2023-02-24 19:32		13.2 Light C - Tote	5.01	20.04	5610	-3346	14387	-905	169	-3336	23.5	66.5	298	688
2023-02-25 1:32	2023-02-24 19:32		13.2 Light C - Tote	5.01	20.49	7261	-2404	15173	-790	420	-3340	28.1	61.9	335	1947
2023-02-25 1:32	2023-02-24 19:32		13.2 Light C - Tote	5	20.49	8072	-2221	15839	-720	689	-3311	29.6	60.4	357	1842
2023-02-25 1:32	2023-02-24 19:32		13.2 Light C - Tote	5	20.49	6833	-2883	14005	-739	1108	-3216	28.5	61.5	10	1935
2023-02-25 1:32	2023-02-24 19:32		12.8 Light C - Tote	5	20.89	7186	-2112	15284	-1244	1266	-3013	27.8	62.2	59	2759
2023-02-25 1:32	2023-02-24 19:32		12.8 Light C - Tote	5	20.39	8980	-1670	14694	-1636	1423	-2745	34.3	55.7	72	912
2023-02-25 1:32	2023-02-24 19:32		12.8 Light C - Tote	5.01	20.44	8717	-1843	12897	-1772	1472	-2650	37.1	52.9	72	2774
2023-02-25 1:32	2023-02-24 19:32		12.8 Light C - Tote	5	20.44	8829	-2563	13007	-2062	1346	-2518	37	53	91	4587
2023-02-25 1:32	2023-02-24 19:32		12.8 Light C - Tote	5.01	20.44	7907	-3451	14470	-2355	1226	-2329	31	59	145	1990
2023-02-25 1:32	2023-02-24 19:32		12.8 Light C - Tote	5.01	20.44	8907	-308	13670	-2606	1022	-2206	36.2	53.8	124	2031
2023-02-25 1:32	2023-02-24 19:32		12.8 Light C - Tote	5.01	20.54	6627	-2307	12486	-2773	735	-2171	30.8	59.2	176	3656
2023-02-25 1:32	2023-02-24 19:32		12.8 Light C - Tote	5.01	20.41	9122	-3589	12784	-2810	389	-2247	37.9	52.1	225	2055
2023-02-25 1:32	2023-02-24 19:32		12.8 Light C - Tote	5.01	19.98	9129	-4415	12239	-2726	226	-2371	38.6	51.4	245	1181
2023-02-25 1:32	2023-02-24 19:32		12.8 Light C - Tote	5	16.17	8087	-3432	12810	-2536	-170	-2571	34.7	55.3	250	2260
2023-02-25 1:32	2023-02-24 19:32		12.8 Light C - Tote	5.01	17.26	8816	-2997	12615	-2202	-251	-2817	37.6	52.4	270	2640
2023-02-25 1:32	2023-02-24 19:32		12.8 Light C - Tote	5	18.45	7754	-4161	13336	-1767	12	-3053	32.2	57.8	275	3642
2023-02-25 1:32	2023-02-24 19:32		12.8 Light C - Tote	5.01	19.94	10743	-3679	14063	-1524	385	-3133	39.8	50.2	316	695
2023-02-25 1:32	2023-02-24 19:32		12.5 Light C - Tote	5	20.27	8643	-3370	12308	-1256	827	-3148	37.6	52.4	340	2430
2023-02-25 1:32	2023-02-24 19:32		12.5 Light C - Tote	5	20.27	8189	-2917	13926	-1313	1073	-3058	33.1	56.9	14	2775
2023-02-25 1:32	2023-02-24 19:32		12.5 Light C - Tote	5	20.64	9604	-2730	11600	-1556	1327	-2				

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-02-25 1:33	2023-02-24 19:33	11.6	Light C - Tote	5	20.65	15111	-2027	7536	-2932	1234	-1688	66.1	23.9	58	2977
2023-02-25 1:33	2023-02-24 19:33	11.6	Light C - Tote	5	20.89	11455	-1862	8664	-3122	1346	-1259	56.1	33.9	102	1917
2023-02-25 1:33	2023-02-24 19:33	11.6	Light C - Tote	5	20.89	12664	-3809	7507	-3466	854	-978	60.2	29.8	170	1218
2023-02-25 1:33	2023-02-24 19:33	11.6	Light C - Tote	5	20.66	14258	-1932	6890	-3760	163	-699	66.9	23.1	249	1496
2023-02-25 1:33	2023-02-24 19:33	11.6	Light C - Tote	5	20.66	13881	-1219	7994	-3707	-235	-1019	63.3	26.7	259	5008
2023-02-25 1:33	2023-02-24 19:33	11.6	Light C - Tote	5	18.83	13644	-1804	6572	-3595	-453	-1274	67.1	22.9	271	2453
2023-02-25 1:33	2023-02-24 19:33	11.6	Light C - Tote	5	17.83	13715	-3395	9257	-3322	-478	-1730	58	32	268	3059
2023-02-25 1:33	2023-02-24 19:33	11.6	Light C - Tote	5	19.37	12955	-3181	9936	-2990	-141	-2133	54.9	35.1	271	1295
2023-02-25 1:33	2023-02-24 19:33	11.6	Light C - Tote	5.01	20.43	14113	-2610	8223	-2928	477	-2101	62.2	27.8	301	2171
2023-02-25 1:33	2023-02-24 19:33	11.6	Light C - Tote	5.01	20.43	15882	-1260	2757	-3237	1103	-1259	82	8	24	920
2023-02-25 1:33	2023-02-24 19:33	11.6	Light C - Tote	5	20.87	17715	-1186	2284	-3431	1292	-452	83.6	6.4	74	2084
2023-02-25 1:33	2023-02-24 19:33	11.2	Light C - Tote	5	20.87	15947	-3625	721	-3594	1103	70	78.6	11.4	66	3219
2023-02-25 1:33	2023-02-24 19:33	11.2	Light C - Tote	5	20.87	14803	-3307	3663	-3830	523	397	74.8	15.2	88	2986
2023-02-25 1:33	2023-02-24 19:33	11.2	Light C - Tote	5	20.83	16190	-3951	4023	-3950	-64	327	73.4	16.6	354	1932
2023-02-25 1:33	2023-02-24 19:33	11.2	Light C - Tote	5.01	20.55	14067	-4547	6056	-3956	-337	-4	65.3	24.7	280	5159
2023-02-25 1:33	2023-02-24 19:33	10.9	Light C - Tote	5.01	20.55	15613	-1842	2101	-3841	-432	-619	82.6	7.4	269	4285
2023-02-25 1:33	2023-02-24 19:33	10.9	Light C - Tote	5	20.4	15419	-1496	3500	-3518	53	-1372	79.2	10.8	287	1725
2023-02-25 1:33	2023-02-24 19:33	10.9	Light C - Tote	5.01	20.69	15006	-596	4693	-3311	721	-1443	75.6	14.4	50	6635
2023-02-25 1:33	2023-02-24 19:33	10.9	Light C - Tote	5.01	20.69	13170	-4620	6823	-2717	1518	-1739	61.7	28.3	357	2664
2023-02-25 1:33	2023-02-24 19:33	10.9	Light C - Tote	5.01	20.69	9536	-161	11958	-1482	653	-3113	42	48	22	5566
2023-02-25 1:33	2023-02-24 19:33	10.9	Light C - Tote	5	20.95	6624	-2499	15424	-1884	809	-2867	25.7	64.3	171	10776
2023-02-25 2:02	2023-02-24 20:02	15.7	Light D - Teardrop	5	19.56	2155	7982	11315	-1048	-1674	-2692	10.1	79.9	177	13898
2023-02-25 2:02	2023-02-24 20:02	15.7	Light D - Teardrop	5.01	19.56	12187	2533	258	-3343	-2098	391	77.7	12.3	351	11865
2023-02-25 2:02	2023-02-24 20:02	15.7	Light D - Teardrop	5.01	17.22	10261	7502	7494	-3296	-2018	-373	46.2	43.8	257	1672
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5.01	17.63	12334	8378	2583	-3335	-2017	-196	55.7	34.3	274	1084
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5	17.84	363	4471	17278	-1229	-1441	-2786	2	88	223	1037
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5.01	19.83	1407	3649	15668	-1298	-1303	-2836	6.2	83.8	226	705
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5.01	19.93	1693	3231	15408	-1499	-1116	-2832	7.4	82.6	218	833
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5	19.93	-597	2330	15585	-2043	-640	-2716	-1.5	91.5	196	5690
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5	20.65	3976	-1324	12984	-1327	-253	-3100	19.5	70.5	257	2153
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5	19.49	-1049	1612	10620	-1303	-853	-2946	-4.9	94.9	204	12770
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5.01	20	-4248	3322	18473	-264	-1463	-2865	-13.9	103.9	229	8710
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5.01	19.33	4609	3646	16099	-912	-583	-3177	17.5	72.5	318	4949
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5	19.54	6730	-3143	15561	-1095	-215	-3207	25.7	64.3	288	1803
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5.01	19.68	6991	-2210	14805	-1096	-35	-3197	27.9	62.1	302	1146
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5	19.7	7301	-2395	14243	-1092	49	-3216	29.8	60.2	308	1431
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5	19.68	7514	-3964	14648	-887	160	-3271	29.3	60.7	308	3075
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5	19.71	7404	-3293	14404	-838	325	-3278	29.6	60.4	320	759
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5	19.77	7241	-2279	14489	-799	519	-3260	29.2	60.8	343	1217
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5.01	20	7026	-2838	13479	-763	882	-3199	30.1	59.9	355	2533
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5.01	20.31	7126	-4123	12977	-929	1271	-3039	30.8	59.2	0	741
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5.01	20.35	7539	-2101	12946	-1196	1439	-2877	33.1	56.9	48	1729
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5	20.35	7578	-1984	13092	-1298	1559	-2767	33	57	60	3723
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5	20.31	8158	-4222	15164	-1659	1606	-2533	30.4	59.6	90	1594
2023-02-25 2:03	2023-02-24 20:03	15.4	Light D - Teardrop	5.01	20.38	8757	-2323	14019	-1852	1601	-2390	34.8	55.2	89	3579
2023-02-25 2:03	2023-02-24 20:03	15.1	Light D - Teardrop	5	20.38	7857	-2674	13965	-2006	1549	-2297	32	58	107	2465
2023-02-25 2:03	2023-02-24 20:03	15.1	Light D - Teardrop	5	20.72	7078	-4977	14420	-2197	1362	-2243	27.8	62.2	156	1333
2023-02-25 2:03	2023-02-24 20:03	15.1	Light D - Teardrop	5.01	20.72	8393	-3571	12880	-2422	1219	-2101	35.5	54.5	144	1920
2023-02-25 2:03	2023-02-24 20:03	15.1	Light D - Teardrop	5.01	20.44	7251	-2598	14810	-2518	1002	-2139	28.6	61.4	156	1258
2023-02-25 2:03	2023-02-24 20:03	15.1	Light D - Teardrop	5	20.51	8859	-2538	13180	-2654	473	-2207	36.8	53.2	204	955
2023-02-25 2:03	2023-02-24 20:03	15.1	Light D - Teardrop	5.01	20.51	8272	-4277	14497	-2746	175	-2177	31.8	58.2	226	1276
2023-02-25 2:03	2023-02-24 20:03	15.1	Light D - Teardrop	5.01	20.27	7608	-2471	11846	-2689	-7	-2270	35.6	54.4	235	2970
2023-02-25 2:03	2023-02-24 20:03	15.1	Light D - Teardrop	5.01	20.18	7627	-1668	13006	-2419	-75	-2516	33.4	56.6	237	2130
2023-02-25 2:03	2023-02-24 20:03	15.1	Light D - Teardrop	5	16.85	6418	-1389	13547	-2113	-254	-2754	24.4	65.6	234	3448
2023-02-25 2:03	2023-02-24 20:03	15.1	Light D - Teardrop	5.01	16.69	6457	-3768	13834	-1938	-354	-2853	27.2	62.8	258	1095
2023-02-25 2:03	2023-02-24 20:03	15.1	Light D - Teardrop	5	17.79	8937	-1162	15108	-1639	-383	-2999	33.5	56.5	287	949
2023-02-25 2:03	2023-02-24 20:03	15.1	Light D - Teardrop	5.01	19.6	7084	-1890	14455	-1407	-169	-3107	28.8	61.2	286	664
2023-02-25 2:03	2023-02-24 20:03	15.1	Light D - Teardrop	5	19.64	6895	-3994	13743	-1182	99	-3196	28.7	61.3	292	1862
2023-02-25 2:03	2023-02-24 20:03	15.1	Light D - Teardrop	5	19.67	7297	-2480	12866	-981	337	-3242	32.3	57.7	327	1024
2023-02-25 2:03	2023-02-24 20:03	15.1	Light D - Teardrop	5.01	19.73	9234	-2809	13004	-1304	494	-3126	38.2	51.8	331	1346
2023-02-25 2:03	2023-02-24 20:03	15.1	Light D - Teardrop	5	19.92	10542	-4945	11976	-1464	688	-3019	42.7	47.3	316	2332
2023-02-25 2:03	2023-02-24 20:03	15.1	Light D - Teardrop	5	20.18	10350	-3567	11423	-1749	884	-2823	44.5	45.5	336	1678
2023-02-25 2:03	2023-02-24 20:03	14.8	Light D - Teardrop	5	20.32	11555	-2457	12474	-1671	1182	-2752	45.8	44.2	25	3858
2023-02-25 2:03	2023-02-24 20:03	14.8	Light D - Teardrop	5	20.32	11203	-3240	12325	-1798	1440	-2536	44.9	45.1	40	1790
2023-02-25 2:03	2023-02-24 20:03	14.8	Light D - Teardrop	5	20.34	10126	-4264	11782	-2183	1562	-2168	42.6	47.4	83	1267
2023-02-25 2:03	2023-02-24 20:03	14.8	Light D - Teardrop	5	20.37	10052	-2087	11161	-2378	1542	-1960	45.2	44.8	92	2324
2023-02-25 2:03	2023-02-24 20:03	14.8	Light D - Teardrop	5	20.37	10088	-2300	12186	-2705	1340	-1705	42.7	47.3	116	801
2023-02-25 2:03	2023-02-24 20:03	14.8	Light D - Teardrop	5	20.47	10096	-4280	10069	-2969	1078	-1498	46.6	43.4	164	2015
2023-02-25 2:03	2023-02-24 20:03	14.8	Light D - Teardrop	5.01	20.42	11160	-3090	10703	-3174	645	-1473	48.8	41.2	190	1549
2023-02-25 2:03	2023-02-24 20:03	14.8	Light D - Teardrop	5	20.39	11515	-1205	11071	-3239	374	-1500	49.5	40.5	189	582
2023-02-25 2:03	2023-02-24 20:03	14.8	Light D - Teardrop	5.01	20.39	10372	-2073	11690	-3227	2	-1620	44.7	45.3	229	784
2023-02-25 2:03	2023-02-24 20:03	14.5	Light D - Teardrop	5.01	19.69	10940	-2635								

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-02-25 2:04	2023-02-24 20:04	13.8	Light D - Teardrop	5.01	20.41	12450	-3470	10416	-3169	1178	-1068	52.3	37.7	123	363
2023-02-25 2:04	2023-02-24 20:04	13.8	Light D - Teardrop	5.01	20.4	12303	-3715	8930	-3326	781	-1066	55.7	34.3	175	616
2023-02-25 2:04	2023-02-24 20:04	13.8	Light D - Teardrop	5	20.4	12704	-2274	9326	-3409	534	-1068	56.6	33.4	183	2769
2023-02-25 2:04	2023-02-24 20:04	13.8	Light D - Teardrop	5	20.36	11974	-2900	10974	-3344	147	-1397	50.2	39.8	233	1190
2023-02-25 2:04	2023-02-24 20:04	13.5	Light D - Teardrop	5	19.12	11782	-3945	11609	-3350	-323	-1474	47.5	42.5	252	1104
2023-02-25 2:04	2023-02-24 20:04	13.5	Light D - Teardrop	5	16.57	12929	-1872	10596	-3038	-263	-1931	53.8	36.2	264	1188
2023-02-25 2:04	2023-02-24 20:04	13.5	Light D - Teardrop	5	17.84	10948	-2576	10472	-2756	-256	-2238	49.2	40.8	268	1478
2023-02-25 2:04	2023-02-24 20:04	13.5	Light D - Teardrop	5	19.64	11798	-2644	11502	-2393	0	-2558	48.6	41.4	285	1860
2023-02-25 2:04	2023-02-24 20:04	13.5	Light D - Teardrop	5	20	11027	-4572	10057	-2053	572	-2736	48.8	41.2	300	1310
2023-02-25 2:04	2023-02-24 20:04	13.5	Light D - Teardrop	5	20	11228	-4478	11538	-1959	719	-2754	45.9	44.1	309	1393
2023-02-25 2:04	2023-02-24 20:04	13.5	Light D - Teardrop	5	20.15	12597	-2203	10404	-1948	1086	-2643	53.5	36.5	16	3841
2023-02-25 2:04	2023-02-24 20:04	13.5	Light D - Teardrop	5.01	20.33	13895	-3269	8453	-2484	1254	-2085	60.6	29.4	14	1110
2023-02-25 2:04	2023-02-24 20:04	13.2	Light D - Teardrop	5	20.45	12451	-3676	10359	-2588	1376	-1872	52.3	37.7	79	1350
2023-02-25 2:04	2023-02-24 20:04	13.2	Light D - Teardrop	5	20.45	12226	-2325	8830	-2920	1317	-1440	57.1	32.9	95	1077
2023-02-25 2:04	2023-02-24 20:04	13.2	Light D - Teardrop	5	20.44	13463	-1107	8338	-3157	1130	-1143	61.6	28.4	98	2415
2023-02-25 2:04	2023-02-24 20:04	13.2	Light D - Teardrop	5	20.39	13124	-4217	9255	-3406	738	-900	56	34	177	2559
2023-02-25 2:04	2023-02-24 20:04	13.2	Light D - Teardrop	5	20.39	13487	-4526	8786	-3568	138	-893	57.5	32.5	249	1895
2023-02-25 2:04	2023-02-24 20:04	12.8	Light D - Teardrop	5	20.3	11258	-1160	9168	-3468	-220	-1239	54.4	35.6	247	1033
2023-02-25 2:04	2023-02-24 20:04	12.8	Light D - Teardrop	5	18.86	11615	-2181	10463	-3244	-483	-1635	51.1	38.9	257	1723
2023-02-25 2:04	2023-02-24 20:04	12.8	Light D - Teardrop	5	18.65	15091	-2784	9169	-2970	-530	-2007	61.1	28.9	279	2728
2023-02-25 2:04	2023-02-24 20:04	12.8	Light D - Teardrop	5	19.85	11904	-568	7841	-2643	-30	-2352	60.3	29.7	318	1368
2023-02-25 2:04	2023-02-24 20:04	12.8	Light D - Teardrop	5.01	20.14	13926	-2016	7289	-2741	479	-2173	65.1	24.9	322	1000
2023-02-25 2:04	2023-02-24 20:04	12.8	Light D - Teardrop	5	20.14	14536	-2961	6978	-2893	754	-1893	66	24	314	2827
2023-02-25 2:04	2023-02-24 20:04	12.8	Light D - Teardrop	5.01	20.39	13422	-4573	8171	-2552	1156	-2077	58.8	31.2	322	2237
2023-02-25 2:04	2023-02-24 20:04	12.8	Light D - Teardrop	5	20.44	12740	-1728	10121	-2524	1487	-1882	54.8	35.2	76	2064
2023-02-25 2:04	2023-02-24 20:04	12.5	Light D - Teardrop	5	20.44	13383	-1906	10191	-2799	1436	-1541	55.8	34.2	90	2060
2023-02-25 2:04	2023-02-24 20:04	12.5	Light D - Teardrop	5	20.43	13929	-3532	10812	-3075	1148	-1324	54.3	35.7	120	2330
2023-02-25 2:04	2023-02-24 20:04	12.5	Light D - Teardrop	5	20.43	11720	-5721	10383	-3318	618	-1233	48.4	41.6	218	917
2023-02-25 2:04	2023-02-24 20:04	12.5	Light D - Teardrop	5	20.3	12753	-1238	10461	-3381	39	-1390	54	36	233	2041
2023-02-25 2:04	2023-02-24 20:04	12.5	Light D - Teardrop	5.01	16.95	11769	-2031	9626	-3146	-193	-1794	53.9	36.1	259	1131
2023-02-25 2:04	2023-02-24 20:04	12.5	Light D - Teardrop	5	17.22	12221	-6148	9951	-2694	-115	-2320	50	40	271	1732
2023-02-25 2:04	2023-02-24 20:04	12.5	Light D - Teardrop	5	19.59	9943	-5135	10955	-2268	225	-2655	43.1	46.9	275	882
2023-02-25 2:04	2023-02-24 20:04	12.5	Light D - Teardrop	5.01	20	10466	-2750	12652	-1695	699	-2936	42.4	47.6	341	2615
2023-02-25 2:04	2023-02-24 20:04	12.5	Light D - Teardrop	5.01	20.23	10979	-4564	12566	-1696	1393	-2678	42.9	47.1	10	1136
2023-02-25 2:04	2023-02-24 20:04	12.2	Light D - Teardrop	5	20.23	10152	-4226	12723	-2098	1581	-2261	40.6	49.4	82	804
2023-02-25 2:04	2023-02-24 20:04	12.2	Light D - Teardrop	5.01	20.36	12095	-2930	12741	-2516	1545	-1855	46.3	43.7	96	2417
2023-02-25 2:04	2023-02-24 20:04	12.2	Light D - Teardrop	5	20.42	10747	-2269	12363	-2906	1137	-1627	44	46	128	1920
2023-02-25 2:04	2023-02-24 20:04	12.2	Light D - Teardrop	5.01	20.42	10502	-5161	10482	-3139	670	-1554	45.7	44.3	218	1063
2023-02-25 2:04	2023-02-24 20:04	11.9	Light D - Teardrop	5	20.4	9834	-5467	12395	-3083	63	-1856	39.5	50.5	241	588
2023-02-25 2:04	2023-02-24 20:04	11.9	Light D - Teardrop	5	16.12	10212	-4344	11356	-2777	-242	-2249	43.7	46.3	260	1495
2023-02-25 2:04	2023-02-24 20:04	11.9	Light D - Teardrop	5	18.62	10445	-1855	11485	-2330	-76	-2636	45.5	44.5	283	1200
2023-02-25 2:04	2023-02-24 20:04	11.9	Light D - Teardrop	5.01	19.6	9914	-3050	11850	-1842	350	-2921	42.6	47.4	307	1496
2023-02-25 2:04	2023-02-24 20:04	11.9	Light D - Teardrop	5	19.91	8179	-4521	12609	-1339	924	-3049	34.8	55.2	323	2795
2023-02-25 2:04	2023-02-24 20:04	11.9	Light D - Teardrop	5	20.19	8094	-6022	13434	-1388	1554	-2778	32	58	358	1009
2023-02-25 2:04	2023-02-24 20:04	11.9	Light D - Teardrop	5	20.19	9090	-3959	14940	-1785	1726	-2424	33.6	56.4	86	1620
2023-02-25 2:04	2023-02-24 20:04	11.9	Light D - Teardrop	5.01	20.32	8351	-843	12796	-2000	1529	-2367	36.3	53.7	92	1138
2023-02-25 2:04	2023-02-24 20:04	11.6	Light D - Teardrop	5	20.54	7732	-2787	13722	-2219	1364	-2292	32	58	124	1549
2023-02-25 2:05	2023-02-24 20:05	11.6	Light D - Teardrop	5	20.54	8408	-1361	13789	-2610	902	-2145	34.4	55.6	145	3098
2023-02-25 2:05	2023-02-24 20:05	11.6	Light D - Teardrop	5	20.45	9096	-5348	14463	-2740	438	-2183	33.7	56.3	225	5067
2023-02-25 2:05	2023-02-24 20:05	11.6	Light D - Teardrop	5.01	17.91	8630	-5707	11530	-2398	91	-2562	37.4	52.6	261	4731
2023-02-25 2:05	2023-02-24 20:05	11.6	Light D - Teardrop	5.01	17.91	8618	7054	12084	-3027	-765	-1872	33.9	56.1	173	3704
2023-02-25 2:05	2023-02-24 20:05	11.6	Light D - Teardrop	5	20.25	6303	-457	8350	-2623	-1265	-2127	41.1	48.9	265	6122
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5.01	20.76	1938	-3262	13685	-124	2200	-2712	9.6	80.4	72	6715
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5.01	20.76	4983	2798	16463	-1540	467	-3013	18.6	71.4	121	1870
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5.01	20.46	4273	720	16032	-1561	375	-3009	16.9	73.1	156	2041
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5.01	20.46	5772	1040	14742	-1925	695	-2748	23.8	66.2	130	1491
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5.01	20.98	9253	2383	11822	-2875	366	-1983	40.6	49.4	134	2253
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5	20.98	11478	1300	10715	-2984	543	-1785	50.1	39.9	118	1698
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5	20.75	11432	-867	11774	-3079	683	-1566	47.6	42.4	145	2124
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5.01	20.75	11837	159	9012	-3160	724	-1405	56.3	33.7	114	1018
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5.01	20.63	11778	-1094	12616	-3079	746	-1547	46.3	43.7	143	1567
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5	20.63	9837	-2689	14349	-3032	774	-1564	37.2	52.8	165	7504
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5.01	20.45	10711	-2924	11050	-3115	533	-1569	46.8	43.2	201	836
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5.01	20.45	11728	-3724	10111	-3224	465	-1406	51.2	38.8	223	1710
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5.01	20.66	10081	-3649	12280	-3192	43	-1617	41.7	48.3	233	1328
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5	20.34	11295	-4665	11682	-3115	9	-1714	45.5	44.5	247	1606
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5.01	20.11	9514	-1827	12107	-2717	-306	-2199	41.4	48.6	250	1806
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5	16.45	7000	-428	14780	-2368	-416	-2506	28.1	61.9	231	1831
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5	16.18	7529	-2045	15582	-2051	-458	-2713	28.4	61.6	252	1959
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5	16.5	7515	-2421	13686	-1923	-444	-2784	31.5	58.5	265	1864
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk	5.01	18.9	6407	-4916	14784	-1553	-420	-2975	25.1	64.9	267	1576
2023-02-25 2:24	2023-02-24 20:24	10.9	Light B - Tuzyk												

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-02-25 2:25	2023-02-24 20:25	10.9	Light B - Tuzyk	5.01	20.37	10588	-2728	12980	-1197	1049	-3022	42	48	7	1997
2023-02-25 2:25	2023-02-24 20:25	10.9	Light B - Tuzyk	5	20.62	10853	-5905	12550	-1243	1515	-2794	41.5	48.5	353	1851
2023-02-25 2:25	2023-02-24 20:25	10.9	Light B - Tuzyk	5.01	20.62	9728	-2988	13135	-1368	1567	-2717	39.2	50.8	41	2555
2023-02-25 2:25	2023-02-24 20:25	10.9	Light B - Tuzyk	5	20.69	9954	-6258	12589	-1575	1809	-2448	38.7	51.3	25	1725
2023-02-25 2:25	2023-02-24 20:25	10.9	Light B - Tuzyk	5	20.69	10512	-4598	10789	-1690	1894	-2282	45.6	44.4	40	2467
2023-02-25 2:25	2023-02-24 20:25	10.9	Light B - Tuzyk	5	20.78	9422	-3902	11217	-1995	1704	-2205	42.1	47.9	71	1627
2023-02-25 2:25	2023-02-24 20:25	10.9	Light B - Tuzyk	5.01	20.78	9859	-4542	11938	-2162	1896	-1874	41.2	48.8	91	804
2023-02-25 2:25	2023-02-24 20:25	10.9	Light B - Tuzyk	5	20.82	10992	-4448	11163	-2382	1731	-1758	46.1	43.9	91	1477
2023-02-25 2:25	2023-02-24 20:25	10.6	Light B - Tuzyk	5.01	20.82	10513	-4700	10549	-2676	1497	-1579	46.1	43.9	120	2974
2023-02-25 2:25	2023-02-24 20:25	10.6	Light B - Tuzyk	5	20.79	10017	-2639	10116	-2926	1141	-1497	47.6	42.4	128	3097
2023-02-25 2:25	2023-02-24 20:25	10.6	Light B - Tuzyk	5.01	20.79	11070	-1909	10933	-3172	670	-1389	48.6	41.4	162	2318
2023-02-25 2:25	2023-02-24 20:25	10.6	Light B - Tuzyk	5.01	20.53	13728	-2678	9907	-3525	244	-801	56.8	33.2	225	3716
2023-02-25 2:25	2023-02-24 20:25	10.6	Light B - Tuzyk	5.01	20.53	12391	-2350	9728	-3445	-62	-1149	54.8	35.2	246	4056
2023-02-25 2:25	2023-02-24 20:25	10.6	Light B - Tuzyk	5.01	20.45	10139	-3484	11277	-3211	-415	-1610	44.4	45.6	251	1832
2023-02-25 2:25	2023-02-24 20:25	10.6	Light B - Tuzyk	5.01	16.77	11669	-2526	9835	-2973	-465	-1912	52.8	37.2	266	706
2023-02-25 2:25	2023-02-24 20:25	10.6	Light B - Tuzyk	5.01	16.94	10129	-3694	11029	-2558	-322	-2351	44.8	45.2	267	1694
2023-02-25 2:25	2023-02-24 20:25	10.6	Light B - Tuzyk	5	19.38	11154	-4522	9482	-2335	-245	-2541	51.5	38.5	282	1526
2023-02-25 2:25	2023-02-24 20:25	10.6	Light B - Tuzyk	5.01	19.97	10903	19062	17924	-8203	3992	376	26.1	63.9	68	1381
2023-02-25 2:25	2023-02-24 20:25	10.6	Light B - Tuzyk	5.01	19.97	9828	-3967	12063	-1757	247	-2906	41.3	48.7	296	1228
2023-02-25 2:25	2023-02-24 20:25	10.6	Light B - Tuzyk	5	20.27	11397	-2883	10730	-1534	785	-2931	49.5	40.5	346	2230
2023-02-25 2:25	2023-02-24 20:25	10.6	Light B - Tuzyk	5.01	20.53	10324	-6099	12120	-1443	1216	-2819	40.8	49.2	327	989
2023-02-25 2:25	2023-02-24 20:25	10.6	Light B - Tuzyk	5	20.53	9740	-2529	11233	-1548	1459	-2673	43.9	46.1	36	2719
2023-02-25 2:25	2023-02-24 20:25	10.6	Light B - Tuzyk	5.01	20.7	9338	-3665	12437	-1623	1842	-2375	39.3	50.7	62	2600
2023-02-25 2:25	2023-02-24 20:25	10.6	Light B - Tuzyk	5.01	20.7	11609	-2787	11365	-2029	1782	-2102	48.4	41.6	66	1162
2023-02-25 2:25	2023-02-24 20:25	10.6	Light B - Tuzyk	5	20.77	11658	-3571	11405	-2295	1845	-1754	47.9	42.1	83	2879
2023-02-25 2:25	2023-02-24 20:25	10.3	Light B - Tuzyk	5.01	20.77	12599	-2737	11478	-2567	1683	-1538	50.5	39.5	92	2431
2023-02-25 2:25	2023-02-24 20:25	10.3	Light B - Tuzyk	5.01	20.8	9771	-3854	12105	-2849	1500	-1272	41.1	48.9	122	1553
2023-02-25 2:25	2023-02-24 20:25	10.3	Light B - Tuzyk	5	20.8	10060	-5398	12454	-3149	860	-1319	40	50	182	3037
2023-02-25 2:25	2023-02-24 20:25	10.3	Light B - Tuzyk	5.01	20.62	11605	-3326	10282	-3430	386	-989	50.8	39.2	211	2680
2023-02-25 2:25	2023-02-24 20:25	10.3	Light B - Tuzyk	5.01	20.62	11989	-2551	9765	-3492	-382	-1102	53.7	36.3	256	2838
2023-02-25 2:25	2023-02-24 20:25	10.3	Light B - Tuzyk	5	20.43	10668	-852	10494	-3412	-700	-1200	49	41	254	3384
2023-02-25 2:25	2023-02-24 20:25	10.3	Light B - Tuzyk	5	19.59	13533	558	11441	-3225	-938	-1468	53	37	261	1133
2023-02-25 2:25	2023-02-24 20:25	10.3	Light B - Tuzyk	5.01	19.24	13332	-949	9519	-3110	-1012	-1630	57.9	32.1	272	927
2023-02-25 2:25	2023-02-24 20:25	10.3	Light B - Tuzyk	5.01	19.68	12578	-658	8111	-2926	-883	-1906	60.7	29.3	281	2126
2023-02-25 2:25	2023-02-24 20:25	10.3	Light B - Tuzyk	5.01	20.18	12464	-2892	8445	-2501	-376	-2409	58.2	31.8	288	936
2023-02-25 2:25	2023-02-24 20:25	10.3	Light B - Tuzyk	5.01	20.45	12791	31	9034	-2452	-90	-2464	58.2	31.8	331	879
2023-02-25 2:25	2023-02-24 20:25	10.3	Light B - Tuzyk	5	20.45	13641	-4242	6657	-2356	773	-2382	63.6	26.4	308	2026
2023-02-25 2:25	2023-02-24 20:25	10.3	Light B - Tuzyk	5	20.77	13313	-3576	8389	-2283	1179	-2254	59.3	30.7	352	854
2023-02-25 2:25	2023-02-24 20:25	10.3	Light B - Tuzyk	5.01	20.77	12601	-4963	8282	-2183	1769	-1927	56.4	33.6	21	2492
2023-02-25 2:25	2023-02-24 20:25	10.3	Light B - Tuzyk	5.01	20.77	12154	-5743	7425	-2555	1861	-1332	56.2	33.8	65	2858
2023-02-25 2:25	2023-02-24 20:25	10.3	Light B - Tuzyk	5	20.87	12263	-5243	8095	-3170	1369	-653	55.7	34.3	116	3632
2023-02-25 2:25	2023-02-24 20:25	10.3	Light B - Tuzyk	5	20.87	12619	-2161	8177	-3575	739	159	60	30	88	1734
2023-02-25 2:25	2023-02-24 20:25	9.9	Light B - Tuzyk	5	21.18	14574	-2822	4078	-3792	-207	425	74.5	15.5	287	1308
2023-02-25 2:25	2023-02-24 20:25	9.9	Light B - Tuzyk	5	21.18	15598	-937	3558	-3796	-534	293	79.7	10.3	267	608
2023-02-25 2:25	2023-02-24 20:25	9.9	Light B - Tuzyk	5	20.56	15869	-2106	3426	-3724	-821	-220	78.7	11.3	267	2695
2023-02-25 2:25	2023-02-24 20:25	9.9	Light B - Tuzyk	5	20.56	15875	-2600	985	-3597	-999	-655	82	8	249	998
2023-02-25 2:25	2023-02-24 20:25	9.9	Light B - Tuzyk	5.01	20.57	14995	-778	3419	-3507	-541	-1046	79.9	10.1	280	1839
2023-02-25 2:25	2023-02-24 20:25	9.9	Light B - Tuzyk	5	20.57	15164	-2559	4525	-3291	-122	-1481	74.4	15.6	279	1555
2023-02-25 2:25	2023-02-24 20:25	9.9	Light B - Tuzyk	5	20.7	14238	-1100	8851	-2643	280	-2262	61.4	28.6	331	673
2023-02-25 2:25	2023-02-24 20:25	9.9	Light B - Tuzyk	5.01	20.7	14710	-690	8039	-2573	907	-2120	64.6	25.4	41	2162
2023-02-25 2:26	2023-02-24 20:26	9.9	Light B - Tuzyk	5.01	20.84	14395	204	7291	-2749	1078	-1846	66.4	23.6	67	1338
2023-02-25 2:26	2023-02-24 20:26	9.9	Light B - Tuzyk	5	20.84	13151	-1641	8326	-2818	1343	-1517	60.8	29.2	82	1105
2023-02-25 2:26	2023-02-24 20:26	9.9	Light B - Tuzyk	5.01	20.88	13696	-3107	7490	-3070	1255	-1147	63.1	26.9	94	1099
2023-02-25 2:26	2023-02-24 20:26	9.9	Light B - Tuzyk	5	20.88	13746	-2605	7345	-3199	1193	-868	64.1	25.9	99	682
2023-02-25 2:26	2023-02-24 20:26	9.9	Light B - Tuzyk	5.01	20.8	13587	-3967	7309	-3448	806	-599	62.3	27.7	143	1315
2023-02-25 2:26	2023-02-24 20:26	9.6	Light B - Tuzyk	5.01	20.8	14038	-2446	6841	-3570	573	-346	66.3	23.7	130	1076
2023-02-25 2:26	2023-02-24 20:26	9.6	Light B - Tuzyk	5.01	20.62	14038	-1585	7374	-3625	-100	-676	65.3	24.7	258	1192
2023-02-25 2:26	2023-02-24 20:26	9.6	Light B - Tuzyk	5	20.35	12666	-2822	10148	-3451	-487	-1158	53.9	36.1	259	1544
2023-02-25 2:26	2023-02-24 20:26	9.6	Light B - Tuzyk	5.01	19.76	12886	-1697	8496	-3195	-613	-1607	59.8	30.2	270	1412
2023-02-25 2:26	2023-02-24 20:26	9.6	Light B - Tuzyk	5.01	19.82	12070	-2892	9650	-2694	-663	-2195	53.9	36.1	276	1878
2023-02-25 2:26	2023-02-24 20:26	9.6	Light B - Tuzyk	5.01	20.05	11530	-3608	11134	-1996	-157	-2779	48.3	41.7	293	1552
2023-02-25 2:26	2023-02-24 20:26	9.6	Light B - Tuzyk	5	20.28	10987	-2696	10635	-1838	62	-2879	48.8	41.2	309	629
2023-02-25 2:26	2023-02-24 20:26	9.6	Light B - Tuzyk	5.01	20.28	10652	-3819	11752	-1569	913	-2898	44.4	45.6	339	1725
2023-02-25 2:26	2023-02-24 20:26	9.6	Light B - Tuzyk	5	20.59	9393	-4487	12406	-1530	1206	-2803	38.9	51.1	349	1034
2023-02-25 2:26	2023-02-24 20:26	9.3	Light B - Tuzyk	5.01	20.59	10524	-2699	10826	-1622	1577	-2570	47.1	42.9	37	979
2023-02-25 2:26	2023-02-24 20:26	9.3	Light B - Tuzyk	5.01	20.7	10693	-3984	13151	-2215	1489	-2175	41.3	48.7	93	1310
2023-02-25 2:26	2023-02-24 20:26	9.3	Light B - Tuzyk	5.01	20.7	10770	-2322	12071	-2423	1626	-1828	44.8	45.2	95	1612
2023-02-25 2:26	2023-02-24 20:26	9.3	Light B - Tuzyk	5.01	20.78	10217	-3728	12646	-2927	1008	-1618	41.3	48.7	157	2017
2023-02-25 2:26	2023-02-24 20:26	9.3	Light B - Tuzyk	5.01	20.78	9638	-1539	13369	-3090	644	-1562	38.9	51.1	164	2582
2023-02-25 2:26	2023-02-24 20:26	9.3	Light B - Tuzyk	5	20.57	10073	-3167	13542	-3089	326	-1706	39.3	50.7	210	824
2023-02-25 2:26	2023-02-24 20:26	9.3	Light B - Tuzyk	5.01	20.31	9745	-3016	11933	-2859	-266	-2069	42	48	251	2046
2023-02-25 2:26	2023-02-24 20:26	9.3</													

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-02-25 2:46	2023-02-24 20:46	17.4	Light A - Dixie	5.01	19.45	5215	-344	15786	-348	450	-3328	20.6	69.4	8	1443
2023-02-25 2:46	2023-02-24 20:46	17.4	Light A - Dixie	5.01	19.78	6975	-2800	15703	-632	571	-3277	26.3	63.7	341	2094
2023-02-25 2:46	2023-02-24 20:46	17.4	Light A - Dixie	5.01	19.78	7470	-2542	14584	-664	960	-3191	29.7	60.3	7	1250
2023-02-25 2:46	2023-02-24 20:46	17.4	Light A - Dixie	5.01	20.2	8790	-1319	14826	-1120	1110	-3012	33.6	56.4	38	2073
2023-02-25 2:46	2023-02-24 20:46	17.4	Light A - Dixie	5.01	20.3	6904	-2033	14123	-1120	1292	-2934	28.8	61.2	52	1716
2023-02-25 2:46	2023-02-24 20:46	17.4	Light A - Dixie	5.01	20.3	7657	-3395	14414	-1265	1574	-2736	30.4	59.6	58	916
2023-02-25 2:46	2023-02-24 20:46	17.4	Light A - Dixie	5.01	20.55	7196	-4149	13757	-1498	1703	-2520	29.7	60.3	80	650
2023-02-25 2:46	2023-02-24 20:46	17.4	Light A - Dixie	5.01	20.55	6755	-3000	15866	-1640	1738	-2406	25.4	64.6	103	1817
2023-02-25 2:47	2023-02-24 20:47	17.4	Light A - Dixie	5.01	20.55	5502	-2548	13607	-1750	1594	-2433	24.5	65.5	114	2221
2023-02-25 2:47	2023-02-24 20:47	17.4	Light A - Dixie	5.01	20.23	5863	-4913	14327	-2106	1215	-2351	23.9	66.1	172	797
2023-02-25 2:47	2023-02-24 20:47	17.4	Light A - Dixie	5.01	20.2	5389	-3818	13726	-2201	721	-2508	23.5	66.5	199	769
2023-02-25 2:47	2023-02-24 20:47	17.4	Light A - Dixie	5.01	20.07	5198	-4474	15998	-2306	430	-2491	19.7	70.3	210	1365
2023-02-25 2:47	2023-02-24 20:47	17.4	Light A - Dixie	5.01	20.15	6552	-3277	14419	-2226	413	-2563	26.8	63.2	216	1262
2023-02-25 2:47	2023-02-24 20:47	17.4	Light A - Dixie	5.01	20.15	6415	-3564	14512	-2256	153	-2585	26.1	63.9	229	1232
2023-02-25 2:47	2023-02-24 20:47	17.4	Light A - Dixie	5.01	20	6317	-3739	14788	-2102	-16	-2716	25.3	64.7	240	712
2023-02-25 2:47	2023-02-24 20:47	17.4	Light A - Dixie	5.01	19.73	6598	-2597	14736	-1928	-162	-2838	26.6	63.4	249	395
2023-02-25 2:47	2023-02-24 20:47	17.4	Light A - Dixie	5.01	18.43	6125	-3497	14438	-1748	-116	-2940	25.2	64.8	256	1288
2023-02-25 2:47	2023-02-24 20:47	17.4	Light A - Dixie	5.01	16.88	6784	-3256	13833	-1650	-183	-2994	28.5	61.5	269	913
2023-02-25 2:47	2023-02-24 20:47	17.4	Light A - Dixie	5.01	17.39	5693	-3349	14348	-1466	-65	-3074	23.8	66.2	265	827
2023-02-25 2:47	2023-02-24 20:47	17.4	Light A - Dixie	5.01	19.36	6927	-3930	14747	-1345	40	-3127	27.3	62.7	281	678
2023-02-25 2:47	2023-02-24 20:47	17.4	Light A - Dixie	5.01	19.87	7869	-3814	14162	-1164	262	-3166	31.3	58.7	304	1348
2023-02-25 2:47	2023-02-24 20:47	17.4	Light A - Dixie	5	19.96	7008	-3580	14431	-1059	260	-3203	28.2	61.8	303	726
2023-02-25 2:47	2023-02-24 20:47	17.4	Light A - Dixie	5.01	19.92	7198	-2686	14532	-879	402	-3246	28.9	61.1	328	860
2023-02-25 2:47	2023-02-24 20:47	17.4	Light A - Dixie	5.01	19.78	7527	-4331	13262	-850	633	-3226	31.5	58.5	323	899
2023-02-25 2:47	2023-02-24 20:47	17.4	Light A - Dixie	5.01	19.58	7893	-4007	13775	-791	862	-3190	32	58	341	662
2023-02-25 2:47	2023-02-24 20:47	17.4	Light A - Dixie	5.01	19.61	7342	-4037	14127	-796	1136	-3118	29.6	60.4	357	731
2023-02-25 2:47	2023-02-24 20:47	17	Light A - Dixie	5.01	19.85	7152	-4823	13965	-756	1432	-3007	28.8	61.2	5	1323
2023-02-25 2:47	2023-02-24 20:47	17	Light A - Dixie	5.01	20.25	7570	-4485	13826	-966	1508	-2910	30.6	59.4	19	754
2023-02-25 2:47	2023-02-24 20:47	17	Light A - Dixie	5.01	20.25	7034	-2964	14079	-1155	1697	-2713	29	61	63	2364
2023-02-25 2:47	2023-02-24 20:47	17	Light A - Dixie	5.01	20.66	6289	-4795	14421	687	4388	416	25.3	64.7	83	1194
2023-02-25 2:47	2023-02-24 20:47	17	Light A - Dixie	5	20.66	7158	-2502	15413	-1533	1642	-2551	27.4	62.6	92	1349
2023-02-25 2:47	2023-02-24 20:47	17	Light A - Dixie	5	20.56	4864	-4472	14171	-1656	1628	-2473	20.7	69.3	133	1417
2023-02-25 2:47	2023-02-24 20:47	17	Light A - Dixie	5.01	20.32	6421	-2615	12885	-1883	1276	-2505	29.1	60.9	121	849
2023-02-25 2:47	2023-02-24 20:47	17	Light A - Dixie	5.01	20.29	4607	-3217	13786	-2064	1103	-2452	20.6	69.4	164	953
2023-02-25 2:47	2023-02-24 20:47	17	Light A - Dixie	5	20.2	6669	-1908	16252	-2261	679	-2441	24.7	65.3	172	2301
2023-02-25 2:47	2023-02-24 20:47	17	Light A - Dixie	5.01	20.2	5522	-2775	15149	-2269	463	-2512	21.3	68.7	197	1442
2023-02-25 2:47	2023-02-24 20:47	17	Light A - Dixie	5.01	20.15	6114	-2993	14835	-2236	-5	-2610	24.7	65.3	230	1379
2023-02-25 2:47	2023-02-24 20:47	17	Light A - Dixie	5.01	20.12	6783	-2528	14164	-2141	-142	-2687	28.2	61.8	243	560
2023-02-25 2:47	2023-02-24 20:47	17	Light A - Dixie	5.01	19.59	5038	-3802	14694	-1930	-308	-2812	20.9	69.1	246	691
2023-02-25 2:47	2023-02-24 20:47	16.7	Light A - Dixie	5	17	6982	-1713	14113	-1787	-397	-2895	29.1	60.9	264	1024
2023-02-25 2:47	2023-02-24 20:47	16.7	Light A - Dixie	5	17.38	6863	-2619	14962	-1487	-240	-3055	27.1	62.9	274	1001
2023-02-25 2:47	2023-02-24 20:47	16.7	Light A - Dixie	5.01	18.84	6557	-2683	14339	-1300	-281	-3122	27.1	62.9	282	841
2023-02-25 2:47	2023-02-24 20:47	16.7	Light A - Dixie	5.01	19.82	9780	-2122	14236	-1683	-55	-2980	37.4	52.6	297	1711
2023-02-25 2:47	2023-02-24 20:47	16.7	Light A - Dixie	5	19.83	9093	-3769	12551	-1531	313	-3021	38.2	51.8	303	1382
2023-02-25 2:47	2023-02-24 20:47	16.7	Light A - Dixie	5	19.92	10253	-4590	12545	-1445	809	-2961	41	49	325	1292
2023-02-25 2:47	2023-02-24 20:47	16.7	Light A - Dixie	5	19.92	9916	-3416	12247	-1390	1050	-2920	41.5	48.5	356	1857
2023-02-25 2:47	2023-02-24 20:47	16.7	Light A - Dixie	5	20.06	9308	-3489	12728	-1339	1519	-2738	38.6	51.4	32	2038
2023-02-25 2:47	2023-02-24 20:47	16.7	Light A - Dixie	5.01	20.36	8761	-4472	12077	-1394	1632	-2630	37.7	52.3	28	1265
2023-02-25 2:47	2023-02-24 20:47	16.7	Light A - Dixie	5	20.36	8892	-3899	12300	-1612	1624	-2504	38.1	51.9	51	594
2023-02-25 2:47	2023-02-24 20:47	16.7	Light A - Dixie	5.01	20.55	9480	-2629	13861	-1934	1676	-2216	37.2	52.8	89	1373
2023-02-25 2:47	2023-02-24 20:47	16.7	Light A - Dixie	5	20.42	8496	-5302	13305	-2263	1539	-2010	33.9	56.1	136	910
2023-02-25 2:47	2023-02-24 20:47	16.4	Light A - Dixie	5.01	20.36	10023	-3652	12194	-2610	1315	-1768	41.8	48.2	128	1470
2023-02-25 2:47	2023-02-24 20:47	16.4	Light A - Dixie	5.01	20.36	9448	-3348	12881	-2736	853	-1906	38.8	51.2	173	832
2023-02-25 2:47	2023-02-24 20:47	16.4	Light A - Dixie	5	20.32	9690	-2666	13718	-2798	595	-1941	38	52	187	657
2023-02-25 2:47	2023-02-24 20:47	16.4	Light A - Dixie	5	20.18	9616	-1232	14649	-2868	242	-1985	36.3	53.7	197	2660
2023-02-25 2:47	2023-02-24 20:47	16.4	Light A - Dixie	5.01	20.1	8169	-4327	13034	-2691	174	-2186	34	56	234	657
2023-02-25 2:47	2023-02-24 20:47	16.4	Light A - Dixie	5.01	19.94	8907	-3945	13443	-2554	93	-2340	35.8	54.2	242	1640
2023-02-25 2:47	2023-02-24 20:47	16.4	Light A - Dixie	5.01	19.35	8344	-5270	13416	-2400	-126	-2500	33.3	56.7	254	1152
2023-02-25 2:47	2023-02-24 20:47	16.4	Light A - Dixie	5	17.12	9304	-3365	12994	-2379	-223	-2518	38.1	51.9	260	981
2023-02-25 2:47	2023-02-24 20:47	16.4	Light A - Dixie	5.01	17	11206	-1771	12398	-2325	-278	-2572	45.3	44.7	280	1572
2023-02-25 2:47	2023-02-24 20:47	16.4	Light A - Dixie	5	18.56	9229	-3370	11491	-2117	-105	-2716	41.3	48.7	277	1355
2023-02-25 2:47	2023-02-24 20:47	16.4	Light A - Dixie	5.01	19.21	10183	-2852	12165	-1969	-28	-2814	42.7	47.3	291	473
2023-02-25 2:47	2023-02-24 20:47	16.4	Light A - Dixie	5.01	19.73	9732	-3803	11865	-1832	203	-2881	41.6	48.4	293	527
2023-02-25 2:47	2023-02-24 20:47	16.4	Light A - Dixie	5	19.87	9564	-1896	13339	-1590	435	-2985	38.7	51.3	334	1362
2023-02-25 2:47	2023-02-24 20:47	16.1	Light A - Dixie	5	19.91	10685	-2125	13492	-1487	865	-2926	41.4	48.6	9	2917
2023-02-25 2:47	2023-02-24 20:47	16.1	Light A - Dixie	5	20.06	8870	-4644	13281	-1403	1347	-2790	35.6	54.4	6	2766
2023-02-25 2:47	2023-02-24 20:47	16.1	Light A - Dixie	5	20.25	9712	-3979	11870	-1620	1604	-2518	41.4	48.6	38	1118
2023-02-25 2:48	2023-02-24 20:48	16.1	Light A - Dixie	5.01	20.25	10126	-4458	12668	-1817	1588	-2390	40.5	49.5	54	510
2023-02-25 2:48	2023-02-24 20:48	16.1	Light A - Dixie	5.01	20.43	10435	-4546	11890	-2007	1768	-2072	42.9	47.1	73	832
2023-02-25 2:48	2023-02-24 20:48	16.1	Light A - Dixie	5.01	20.43	10127	-4620	10806	-2260	1658	-1925	44.5	45.5	88	1106
2023-02-25 2:48	2023-02-24 20:48	16.1	Light A - Dixie	5.01	20.43	10526	-3813	11001	-2432	1704	-1669	45.8	44.2	96	1313
2023-02-25 2:48	2023-02-24 20:48	16.1	Light A - Dixie	5.01	20.39	9990	-5815	11486	-2713	1					

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-02-25 2:48	2023-02-24 20:48	14.8	Light A - Dixie	5	20.29	15178	-2854	3360	-3012	1436	-959	76.9	13.1	24	1363
2023-02-25 2:48	2023-02-24 20:48	14.8	Light A - Dixie	5	20.35	15071	-4842	4771	-3023	1573	-667	69	21	73	1118
2023-02-25 2:48	2023-02-24 20:48	14.8	Light A - Dixie	5	20.5	15253	-3010	3342	-3018	1588	-659	76.7	13.3	55	1854
2023-02-25 2:48	2023-02-24 20:48	14.8	Light A - Dixie	5	20.5	12563	-3788	6687	-3073	1461	-712	62.4	27.6	97	2079
2023-02-25 2:48	2023-02-24 20:48	14.8	Light A - Dixie	5	20.5	12648	-5215	6676	-3349	1012	-552	60	30	140	1737
2023-02-25 2:48	2023-02-24 20:48	14.8	Light A - Dixie	5	20.45	13852	-3385	7457	-3461	571	-694	63.1	26.9	194	942
2023-02-25 2:48	2023-02-24 20:48	14.5	Light A - Dixie	5	20.45	12201	-5766	8716	-3401	116	-1144	53.2	36.8	253	1111
2023-02-25 2:48	2023-02-24 20:48	14.5	Light A - Dixie	5	20.23	13538	-2832	7608	-3359	-160	-1317	62.8	27.2	265	1417
2023-02-25 2:48	2023-02-24 20:48	14.5	Light A - Dixie	5.01	19.68	12655	-2669	8470	-3132	-284	-1719	58.7	31.3	268	1982
2023-02-25 2:48	2023-02-24 20:48	14.5	Light A - Dixie	5	19.54	13615	-4499	8531	-2903	-177	-2020	58.4	31.6	274	1538
2023-02-25 2:48	2023-02-24 20:48	14.5	Light A - Dixie	5	19.66	12851	-4317	9447	-2661	34	-2259	54.8	35.2	278	707
2023-02-25 2:48	2023-02-24 20:48	14.5	Light A - Dixie	5	19.84	14325	-2394	7152	-2500	381	-2363	65.8	24.2	318	1201
2023-02-25 2:48	2023-02-24 20:48	14.5	Light A - Dixie	5	20	10227	-4129	12076	-1675	880	-2834	42.3	47.7	328	2013
2023-02-25 2:48	2023-02-24 20:48	14.5	Light A - Dixie	5	20.18	10796	-2246	11559	-1793	1288	-2583	46.1	43.9	39	1653
2023-02-25 2:48	2023-02-24 20:48	14.1	Light A - Dixie	5.01	20.33	11136	-3646	10423	-1962	1515	-2329	49	41	34	996
2023-02-25 2:48	2023-02-24 20:48	14.1	Light A - Dixie	5	20.33	10474	-6078	10201	-2132	1657	-2070	45.2	44.8	20	901
2023-02-25 2:48	2023-02-24 20:48	14.1	Light A - Dixie	5.01	20.41	11463	-2425	11519	-2271	1724	-1871	47.8	42.2	82	1666
2023-02-25 2:48	2023-02-24 20:48	14.1	Light A - Dixie	5	20.42	10560	-5596	10409	-2532	1592	-1641	45.5	44.5	119	1125
2023-02-25 2:48	2023-02-24 20:48	13.8	Light A - Dixie	5	20.42	12005	-4429	11006	-2877	1246	-1422	49	41	132	895
2023-02-25 2:48	2023-02-24 20:48	13.8	Light A - Dixie	5	20.38	9152	-3146	11568	-3084	727	-1468	41	49	177	1480
2023-02-25 2:48	2023-02-24 20:48	13.8	Light A - Dixie	5.01	20.3	11123	-4458	11426	-3203	156	-1544	45.9	44.1	238	1653
2023-02-25 2:48	2023-02-24 20:48	13.8	Light A - Dixie	5	20.12	11332	-181	12040	-3048	-224	-1838	46.6	43.4	235	1117
2023-02-25 2:48	2023-02-24 20:48	13.8	Light A - Dixie	5.01	17.39	9001	-3796	12298	-2491	-565	-2411	38.5	51.5	262	3427
2023-02-25 2:48	2023-02-24 20:48	13.8	Light A - Dixie	5	18.66	-695	-913	16563	-840	-326	-3245	-1.7	91.7	222	6271
2023-02-25 2:48	2023-02-24 20:48	13.8	Light A - Dixie	5.01	19.28	4660	809	14609	-1555	-909	-2898	19.9	70.1	251	1847
2023-02-25 2:48	2023-02-24 20:48	13.8	Light A - Dixie	5	19.86	5680	1941	16188	-2204	-1032	-2537	21.4	68.6	232	3087
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5	21.26	7888	-410	16200	-665	511	-3421	28.6	61.4	9	3398
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.26	3149	-1596	16966	-308	1019	-3344	12.2	77.8	45	909
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.1	3980	-1660	15516	-590	973	-3336	16.4	73.6	41	861
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5	21.1	5941	-1276	15593	-714	1100	-3284	23.3	66.7	40	4949
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.1	6268	-2851	16327	-1152	1055	-3167	23.2	66.8	46	1444
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.13	5894	-651	15394	-1148	1007	-3187	23.4	66.6	70	1499
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.13	3965	-2082	16540	-1483	997	-3065	15.4	74.6	149	1428
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5	21.13	5859	-392	16015	-1757	898	-2956	22.5	67.5	126	2401
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5	21.25	4904	-3469	15814	-2000	896	-2812	19.2	70.8	181	895
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.25	5352	-3073	16761	-2360	463	-2693	19.7	70.3	198	1886
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.21	5971	-296	16511	-2490	194	-2662	22.2	67.8	188	1035
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.21	6183	-3516	14461	-2584	-31	-2617	25.3	64.7	229	2846
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.07	6907	-744	14781	-2492	-219	-2710	27.8	62.2	223	882
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.07	5334	-2094	14503	-2289	-520	-2860	22.6	67.4	239	1313
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.07	5986	-533	14831	-2049	-612	-2997	24.6	65.4	245	1560
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	20.88	4843	-2675	15695	-1772	-726	-3118	19.2	70.8	253	2203
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	20.35	5804	-1814	15056	-1534	-733	-3211	23.5	66.5	268	1645
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	20.39	6511	-1254	14883	-1270	-658	-3301	26.3	63.7	285	1111
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	20.39	6069	68	15948	-978	-476	-3398	23.3	66.7	300	518
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5	20.39	6250	-3641	14790	-823	17	-3452	25.1	64.9	300	1178
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.2	5691	-1021	15278	-749	155	-3450	22.9	67.1	330	1262
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.2	6293	-2564	14906	-862	449	-3404	25.3	64.7	327	1234
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.2	7767	-2005	13400	-999	657	-3346	33	57	353	1041
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5	21.17	7379	-1293	14178	-1097	864	-3253	30.4	59.6	24	408
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.17	7591	-3019	14384	-1225	1057	-3145	30.3	59.7	11	4841
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.17	5029	-1428	14419	-1393	1195	-3018	21.7	68.3	101	2024
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.03	7506	-4117	14754	-1484	1285	-2927	29.1	60.9	43	846
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.03	6560	-327	14755	-1751	1144	-2857	26.7	63.3	104	1175
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.05	5530	-3024	14719	-1930	1160	-2729	22.8	67.2	152	1986
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.05	7166	-2207	14142	-2221	1075	-2569	29.6	60.4	141	1060
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5	21.05	7627	-3373	13990	-2414	853	-2514	31	59	185	696
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5	21.1	7257	-2669	14053	-2610	450	-2492	29.9	60.1	203	447
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.1	6627	-3369	14528	-2597	86	-2591	26.8	63.2	225	1528
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	21.1	7309	-2663	15144	-2555	-179	-2670	28.3	61.7	234	1881
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	20.99	7297	-2513	14938	-2445	-499	-2745	28.6	61.4	246	2573
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	20.69	7326	-2529	13939	-2289	-645	-2842	30.4	59.6	257	1451
2023-03-21 1:59	2023-03-20 20:59	16.7	Light C - Tote	5.01	20.69	7180	-2586	15147	-2191	-766	-2900	27.9	62.1	257	1489
2023-03-21 1:59	2023-03-20 20:59	16.4	Light C - Tote	5	20.23	9464	-937	13012	-2071	-662	-2971	39.3	50.7	284	1165
2023-03-21 1:59	2023-03-20 20:59	16.4	Light C - Tote	5.01	20.46	8635	-478	13903	-1696	-376	-3192	34.9	55.1	298	2127
2023-03-21 1:59	2023-03-20 20:59	16.4	Light C - Tote	5.01	20.46	9100	-1485	12734	-1469	-58	-3282	38.7	51.3	319	1040
2023-03-21 1:59	2023-03-20 20:59	16.4	Light C - Tote	5.01	20.81	8918	-2362	13071	-1505	360	-3241	37.2	52.8	324	697
2023-03-21 1:59	2023-03-20 20:59	16.4	Light C - Tote	5.01	20.81	9221	-2090	13433	-1485	672	-3177	37.4	52.6	352	683
2023-03-21 1:59	2023-03-20 20:59	16.4	Light C - Tote	5.01	20.81	8915	-3036	13328	-1602	968	-3021	36.4	53.6	359	1092
2023-03-21 1:59	2023-03-20 20:59	16.4	Light C - Tote	5.01	21.08	8465	-1461	13645	-1747	1180	-2847	34.8	55.2	70	322
2023-03-21 1:59	2023-03-20 20:59	16.4	Light C - Tote	5.01	21.08	8172	-3992	18182	7388	4472	412	27.3	62.7	84	1265
2023-03-21 1:59	2023-03-20 20:59	16.4	Light C - Tote	5.01	21.08	8143	-1865	14253	-2233	1157	-2510				

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-03-21 2:00	2023-03-20 21:00	15.7	Light C - Tote	5.01	20.87	10800	-2538	11709	-2066	840	-2791	45.6	44.4	354	481
2023-03-21 2:00	2023-03-20 21:00	15.7	Light C - Tote	5.01	20.87	11534	604	10687	-2377	841	-2562	50.5	39.5	65	487
2023-03-21 2:00	2023-03-20 21:00	15.7	Light C - Tote	5.01	21.22	10334	-3003	11481	-2710	1025	-2125	44.7	45.3	143	1711
2023-03-21 2:00	2023-03-20 21:00	15.7	Light C - Tote	5.01	21.22	13652	-1024	10741	-3249	620	-1625	55.1	34.9	140	2120
2023-03-21 2:00	2023-03-20 21:00	15.7	Light C - Tote	5.01	21.22	12783	-3019	11422	-3517	121	-1413	50.8	39.2	236	1787
2023-03-21 2:00	2023-03-20 21:00	15.7	Light C - Tote	5.01	21.14	12724	-2236	10051	-3621	-339	-1323	54.7	35.3	256	1890
2023-03-21 2:00	2023-03-20 21:00	15.7	Light C - Tote	5	21.14	13304	-1504	9605	-3521	-903	-1509	57.4	32.6	268	1231
2023-03-21 2:00	2023-03-20 21:00	15.7	Light C - Tote	5.01	20.86	13565	-2636	8889	-3226	-948	-1950	59.3	30.7	274	1321
2023-03-21 2:00	2023-03-20 21:00	15.7	Light C - Tote	5.01	20.86	13191	444	8966	-3050	-873	-2160	59.1	30.9	287	1925
2023-03-21 2:00	2023-03-20 21:00	15.4	Light C - Tote	5.01	20.86	12130	-2541	9807	-2533	-260	-2702	53.9	36.1	292	745
2023-03-21 2:00	2023-03-20 21:00	15.4	Light C - Tote	5	20.94	13220	-236	10160	-2335	252	-2774	55.9	34.1	356	466
2023-03-21 2:00	2023-03-20 21:00	15.4	Light C - Tote	5.01	20.94	11211	-2723	11451	-2230	751	-2721	47.2	42.8	335	777
2023-03-21 2:00	2023-03-20 21:00	15.4	Light C - Tote	5	20.94	11296	-767	8752	-2661	1027	-2175	55.9	34.1	67	646
2023-03-21 2:00	2023-03-20 21:00	15.4	Light C - Tote	5.01	21.25	13431	-2303	7790	-3296	871	-1355	62.5	27.5	118	1767
2023-03-21 2:00	2023-03-20 21:00	15.4	Light C - Tote	5	21.25	13455	-2573	6831	-3669	520	-702	65.2	24.8	195	2090
2023-03-21 2:00	2023-03-20 21:00	15.4	Light C - Tote	5	21.25	14168	-489	8282	-3796	43	-719	63.1	26.9	238	668
2023-03-21 2:00	2023-03-20 21:00	15.4	Light C - Tote	5.01	21.24	13203	-3713	9565	-3731	-423	-1120	55.9	34.1	261	560
2023-03-21 2:00	2023-03-20 21:00	15.4	Light C - Tote	5.01	21.24	17031	-2528	4396	-3622	-666	-1349	75.4	14.6	275	2419
2023-03-21 2:00	2023-03-20 21:00	15.4	Light C - Tote	5	20.88	13576	-4363	7839	-3211	-460	-2018	60.3	29.7	273	1401
2023-03-21 2:00	2023-03-20 21:00	15.4	Light C - Tote	5.01	20.88	14039	-2806	8118	-3122	-257	-2120	62.2	27.8	280	1707
2023-03-21 2:00	2023-03-20 21:00	15.4	Light C - Tote	5.01	20.88	14561	-3189	4979	-3090	89	-2097	71.4	18.6	288	1986
2023-03-21 2:00	2023-03-20 21:00	15.4	Light C - Tote	5.01	21	14067	-2471	7249	-2767	505	-2326	65.1	24.9	317	1276
2023-03-21 2:00	2023-03-20 21:00	15.1	Light C - Tote	5.01	21	12365	-1939	8782	-2452	932	-2448	57.7	32.3	11	1574
2023-03-21 2:00	2023-03-20 21:00	15.1	Light C - Tote	5	21	11880	-4031	11082	-2521	1106	-2281	48.9	41.1	345	1246
2023-03-21 2:00	2023-03-20 21:00	15.1	Light C - Tote	5.01	21.29	11705	665	10413	-2888	964	-1956	51.7	38.3	97	1462
2023-03-21 2:00	2023-03-20 21:00	15.1	Light C - Tote	5.01	21.29	7578	-9540	9537	-2206	2304	-1358	32.6	57.4	137	3621
2023-03-21 2:00	2023-03-20 21:00	15.1	Light C - Tote	5	21.29	16420	1183	7365	-3114	1604	-719	67.5	22.5	89	25448
2023-03-21 2:00	2023-03-20 21:00	15.1	Light C - Tote	5.01	21.32	10732	-7118	6422	-2957	1857	-538	52	38	113	5501
2023-03-21 2:32	2023-03-20 21:32	16.4	Light D - Teardrop	5.01	20.81	7576	138	14014	-578	-382	-4187	31.3	58.7	334	881
2023-03-21 2:32	2023-03-20 21:32	16.4	Light D - Teardrop	5.01	20.7	7268	-2111	13881	-523	-76	-4252	30.4	59.6	324	1206
2023-03-21 2:32	2023-03-20 21:32	16.4	Light D - Teardrop	5	20.7	6346	-368	14536	-402	15	-4298	26.3	63.7	343	811
2023-03-21 2:32	2023-03-20 21:32	16.4	Light D - Teardrop	5	20.71	5384	-1259	15581	-241	304	-4334	21.4	68.6	347	930
2023-03-21 2:32	2023-03-20 21:32	16.4	Light D - Teardrop	5	20.71	6070	-596	14503	-273	773	-4293	25.4	64.6	17	3827
2023-03-21 2:32	2023-03-20 21:32	16.4	Light D - Teardrop	5	20.99	7677	-685	14521	-385	976	-4234	30.7	59.3	22	862
2023-03-21 2:32	2023-03-20 21:32	16.4	Light D - Teardrop	5	20.99	9004	-3704	13737	-603	1288	-4072	35.6	54.4	3	2927
2023-03-21 2:32	2023-03-20 21:32	16.4	Light D - Teardrop	5	20.99	6468	-369	14950	-694	1358	-4013	26	64	50	693
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5	20.99	7487	-541	13017	-1232	1298	-3742	33	57	49	1675
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5	21.51	8546	-1003	13261	-1561	1227	-3544	35.9	54.1	47	1044
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5	21.51	5544	-212	13292	-1697	972	-3534	25.4	64.6	96	1462
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5	21.51	6917	-1595	14318	-2009	570	-3362	28.5	61.5	205	583
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5.01	21.51	1124	16902	17926	13012	4546	410	3.3	86.7	133	971
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5	21.45	8854	-1475	12559	-2112	-176	-3330	38.4	51.6	292	1225
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5.01	21.45	6954	-1817	15400	-1862	-367	-3520	26.9	63.1	264	1695
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5.01	21.45	7376	-419	14701	-1650	-548	-3652	29.5	60.5	283	349
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5.01	21.2	9110	-565	13324	-1606	-747	-3633	37.6	52.4	302	714
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5	21.2	8638	-774	10285	-1262	-378	-3912	43.7	46.3	326	6609
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5.01	20.86	11482	-761	13745	-944	-199	-4092	43.1	46.9	337	1980
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5.01	20.86	8432	-614	13508	-713	202	-4211	35.1	54.9	351	919
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5.01	20.88	7664	-1597	13765	-646	537	-4214	32	58	354	1403
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5	20.88	8500	-2385	12632	-750	1041	-4081	36.9	53.1	5	1575
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5.01	20.88	8863	-1965	13436	-909	1274	-3937	36.4	53.6	22	656
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5	21.32	7888	-1508	14629	-1115	1457	-3762	31.2	58.8	46	1200
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5.01	21.32	9774	-1298	12823	-1358	1427	-3604	40.5	49.5	36	1525
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5	21.32	10520	-3080	14650	-1667	1480	-3335	38.3	51.7	32	2555
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5.01	21.32	10009	-2243	13218	-1983	1288	-3123	40.1	49.9	44	978
2023-03-21 2:32	2023-03-20 21:32	16.1	Light D - Teardrop	5.01	21.47	10738	-3076	13070	-2367	914	-2835	42.1	47.9	343	576
2023-03-21 2:33	2023-03-20 21:33	16.1	Light D - Teardrop	5.01	21.47	9383	-2102	13440	-2418	670	-2858	37.9	52.1	205	1660
2023-03-21 2:33	2023-03-20 21:33	15.7	Light D - Teardrop	5	21.47	10889	-1794	11861	-2487	157	-2890	45.8	44.2	294	1458
2023-03-21 2:33	2023-03-20 21:33	15.7	Light D - Teardrop	5.01	21.27	10869	-3408	11342	-2422	-49	-2986	46.2	43.8	286	647
2023-03-21 2:33	2023-03-20 21:33	15.7	Light D - Teardrop	5.01	21.27	10928	-1195	12277	-2429	-350	-2974	45	45	289	921
2023-03-21 2:33	2023-03-20 21:33	15.7	Light D - Teardrop	5.01	21.27	11514	-1204	11573	-2055	-451	-3349	48.2	41.8	312	551
2023-03-21 2:33	2023-03-20 21:33	15.7	Light D - Teardrop	5	21	8481	-2645	15066	-1478	-188	-3834	32	58	294	1091
2023-03-21 2:33	2023-03-20 21:33	15.7	Light D - Teardrop	5	21	10322	-3139	11425	-1497	73	-3820	44.7	45.3	315	2684
2023-03-21 2:33	2023-03-20 21:33	15.7	Light D - Teardrop	5	20.9	10235	-1497	12014	-1096	430	-4042	43.7	46.3	350	557
2023-03-21 2:33	2023-03-20 21:33	15.7	Light D - Teardrop	5	20.9	10162	-1790	12490	-1060	682	-4031	42.3	47.7	357	975
2023-03-21 2:33	2023-03-20 21:33	15.7	Light D - Teardrop	5.01	21.07	8888	-2367	11477	-1111	950	-3943	40.8	49.2	359	5112
2023-03-21 2:33	2023-03-20 21:33	15.7	Light D - Teardrop	5	21.07	9715	-1876	12968	-1166	1265	-3809	39.9	50.1	22	1522
2023-03-21 2:33	2023-03-20 21:33	15.7	Light D - Teardrop	5	21.07	10879	-1667	11549	-1410	1429	-3570	46.6	43.4	25	543
2023-03-21 2:33	2023-03-20 21:33	15.7	Light D - Teardrop	5	21.4	11625	-1900	12138	-1804	1424	-3240	46.9	43.1	30	1891
2023-03-21 2:33	2023-03-20 21:33	15.4	Light D - Teardrop	5	21.4	10941	-746	12179	-2116	1298	-2968	45.3	44.7	56	435
2023-03-21 2:33	2023-03-20 21:33	15.4	Light D - Teardrop	5	21.4	10728	-2752	11498	-2552	962	-2512	45.9	44.1	55	1355
2023-03-21 2:33	2023-03-20 21:33	15.4	Light D - Teardrop	5	21.4	9949	-1980	11144	-2657</						

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-03-21 2:33	2023-03-20 21:33	14.8	Light D - Teardrop	5	21.18	10810	-2476	10866	-2358	-493	-3046	47.8	42.2	290	943
2023-03-21 2:33	2023-03-20 21:33	14.8	Light D - Teardrop	5	21.18	11233	-1684	13168	-1725	-271	-3669	43.6	46.4	314	1532
2023-03-21 2:33	2023-03-20 21:33	14.5	Light D - Teardrop	5	20.94	9829	-2742	11797	-1253	233	-3981	42.7	47.3	326	1600
2023-03-21 2:33	2023-03-20 21:33	14.5	Light D - Teardrop	5	20.94	10462	-2325	11975	-1152	705	-3984	44.2	45.8	351	1128
2023-03-21 2:33	2023-03-20 21:33	14.5	Light D - Teardrop	5.01	20.94	11694	-514	12027	-1101	945	-3968	47.6	42.4	19	2466
2023-03-21 2:33	2023-03-20 21:33	14.5	Light D - Teardrop	5	21.18	11148	-3786	12768	-1193	1476	-3713	43.4	46.6	7	1920
2023-03-21 2:33	2023-03-20 21:33	14.5	Light D - Teardrop	5	21.18	11790	-1055	11924	-1764	1492	-3244	48	42	39	1154
2023-03-21 2:33	2023-03-20 21:33	14.5	Light D - Teardrop	5	21.18	9597	-2589	13470	-2134	1256	-2967	38.3	51.7	63	1592
2023-03-21 2:33	2023-03-20 21:33	14.5	Light D - Teardrop	5	21.18	9454	-744	13267	-2476	728	-2760	38.7	51.3	116	1211
2023-03-21 2:33	2023-03-20 21:33	14.5	Light D - Teardrop	5	21.42	9812	-2619	11797	-2516	374	-2822	42.7	47.3	274	943
2023-03-21 2:33	2023-03-20 21:33	14.1	Light D - Teardrop	5	21.42	10901	-523	13143	-2356	-289	-3076	42.9	47.1	295	2424
2023-03-21 2:33	2023-03-20 21:33	14.1	Light D - Teardrop	5.01	21.12	7892	-1302	13345	-1711	-365	-3664	33.6	56.4	292	1459
2023-03-21 2:33	2023-03-20 21:33	14.1	Light D - Teardrop	5.01	21.12	10568	-1174	12513	-1514	-278	-3795	43.5	46.5	322	3107
2023-03-21 2:33	2023-03-20 21:33	14.1	Light D - Teardrop	5	21.12	10019	-3415	14385	-989	384	-4113	37.4	52.6	330	2219
2023-03-21 2:33	2023-03-20 21:33	14.1	Light D - Teardrop	5.01	20.88	9510	-864	13012	-758	692	-4177	39.4	50.6	8	1546
2023-03-21 2:33	2023-03-20 21:33	14.1	Light D - Teardrop	5	20.88	6847	-1792	13653	-721	1281	-4052	29.4	60.6	29	1319
2023-03-21 2:33	2023-03-20 21:33	14.1	Light D - Teardrop	5	20.88	10612	-515	12373	-1472	1364	-3561	44	46	39	1373
2023-03-21 2:33	2023-03-20 21:33	14.1	Light D - Teardrop	5.01	21.3	10415	-457	11529	-2200	1242	-2896	45.6	44.4	61	2715
2023-03-21 2:34	2023-03-20 21:34	14.1	Light D - Teardrop	5.01	21.3	12084	-332	11234	-2677	826	-2372	50.5	39.5	78	2838
2023-03-21 2:34	2023-03-20 21:34	13.8	Light D - Teardrop	5	21.3	13215	-2134	12349	-2869	198	-2270	50	40	261	3761
2023-03-21 2:34	2023-03-20 21:34	13.8	Light D - Teardrop	5	21.36	11742	252	10301	-2762	-464	-2492	52.2	37.8	290	2228
2023-03-21 2:34	2023-03-20 21:34	13.8	Light D - Teardrop	5.01	21.36	11115	-1413	10901	-2506	-517	-2855	49	41	290	1396
2023-03-21 2:34	2023-03-20 21:34	13.8	Light D - Teardrop	5	21.36	10409	-1392	12025	-1552	56	-3800	44.2	45.8	331	2748
2023-03-21 2:34	2023-03-20 21:34	13.8	Light D - Teardrop	5	21.36	4532	5514	13653	-708	-1320	-3812	19	71	342	4889
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5.01	21.2	5333	-345	14243	-524	-388	-4177	23.1	66.9	318	1571
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5	21.2	6342	-1901	15617	-630	-52	-4197	24.6	65.4	317	1342
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5	21.21	6742	-3687	15010	-505	461	-4243	26.4	63.6	328	1765
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5	21.21	7346	-4350	15378	-321	791	-4238	27.5	62.5	341	1432
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5.01	21.21	7125	434	15093	-224	996	-4204	27.9	62.1	32	726
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5	21.46	5647	-1799	15121	-260	1376	-4073	22.9	67.1	32	606
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5	21.46	7038	-2230	13034	-660	1572	-3860	31.2	58.8	30	7303
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5	21.46	7196	-2455	13639	-1125	1548	-3629	30.5	59.5	40	1970
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5.01	21.46	6771	-3069	15475	-1621	1209	-3406	25.9	64.1	81	1749
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5	21.46	8732	-2947	12170	-2105	780	-3128	38.4	51.6	314	962
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5	21.76	8687	-4073	13228	-2232	625	-3086	35.4	54.6	267	1597
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5.01	21.76	8730	-2418	12899	-2425	-22	-2990	37	53	263	1554
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5.01	21.76	8639	-2029	12845	-2015	-558	-3372	36.9	53.1	285	1723
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5	21.18	9974	-1895	13003	-1716	-411	-3657	40.6	49.4	303	992
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5	21.18	10818	-2705	12120	-1596	-40	-3772	44.6	45.4	315	661
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5.01	21.18	9284	-2698	11434	-1306	400	-3941	42	48	330	2288
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5.01	20.97	11968	-738	10972	-1251	676	-3908	50.9	39.1	7	1114
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5	20.97	9285	-2746	11751	-1050	1338	-3809	41.2	48.8	11	1479
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5.01	20.97	9854	-1604	12567	-1226	1464	-3650	41.3	48.7	31	808
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5	21.4	7508	-1645	14031	-1703	1590	-3172	31	59	75	1807
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5.01	21.4	8853	-2909	12576	-1992	1221	-3100	37.9	52.1	32	2341
2023-03-21 3:00	2023-03-20 22:00	9.3	Light B - Tuzyk	5.01	21.4	9867	-1846	12041	-2295	922	-2921	42.5	47.5	39	700
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5	21.4	10192	-1817	12187	-2586	396	-2711	43.1	46.9	262	1135
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5.01	21.42	11188	-356	12603	-2697	-126	-2646	44.9	45.1	267	1775
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5.01	21.42	10655	-283	11655	-2633	-315	-2762	45.9	44.1	281	1901
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5	21.42	11271	-1405	11085	-2435	-539	-2995	48.9	41.1	294	350
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5.01	21.1	11847	-169	10585	-2359	-601	-3062	51.7	38.3	312	1216
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5.01	21.1	12058	-1707	10203	-2070	-395	-3417	53	37	314	1104
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5.01	21.07	11692	-764	9117	-1870	177	-3585	55.7	34.3	347	1120
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5	21.07	12028	255	10618	-1828	611	-3553	52	38	20	1129
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5.01	21.07	11178	-2142	11590	-1776	1260	-3360	47.1	42.9	17	1040
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5	21.07	12437	-1376	10773	-2016	1305	-3075	52.4	37.6	31	1148
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5.01	21.5	12667	-919	10291	-2501	1213	-2418	54.3	35.7	60	2963
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5	21.5	12476	-1950	9427	-2784	805	-2172	56.1	33.9	24	759
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5	21.5	13517	1232	9239	-3025	142	-2025	58.6	31.4	66	962
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5	21.5	9422	-3288	11740	-2676	-115	-2650	41.3	48.7	262	2688
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5	21.36	11968	-893	10721	-2661	-413	-2691	51.6	38.4	291	1013
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5	21.36	10493	-4896	11463	-2341	-270	-3139	43.7	46.3	281	1208
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5.01	21.01	9614	-1416	11494	-1820	-386	-3597	43.3	46.7	308	2100
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5	21.01	10290	-3009	10914	-1523	139	-3829	46	44	318	1417
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5.01	21.01	10085	-4079	11610	-1250	663	-3943	43	47	328	1521
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5	21.08	9676	-1296	10595	-1235	846	-3890	45.9	44.1	7	1343
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5	21.08	9820	-768	12558	-1385	1331	-3625	41.3	48.7	38	677
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5	21.08	8514	-1291	14428	-1557	1356	-3462	33.5	56.5	55	3344
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5	21.08	11262	-1207	12401	-2013	1325	-3037	45.5	44.5	47	1080
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5	21.45	10252	-2004	11115	-2423	794	-2770	45.9	44.1	5	850
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5.01	21.45	10797	-684	10086	-2681	350	-2579	50.6	39.4	338	1923
2023-03-21 3:00	2023-03-20 22:00	9	Light B - Tuzyk	5	21.45	10602	-2235	11793	-2560	-90	-2848	45	45	279	1016
2023-03-21 3:01	2023-03-20 22:01	9													

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-03-21 3:01	2023-03-20 22:01	8.3	Light B - Tuzyk	5	21.3	14116	-4031	8737	-2071	1107	-3134	59.4	30.6	337	1136
2023-03-21 3:01	2023-03-20 22:01	8.3	Light B - Tuzyk	5	21.3	13336	63	9179	-2096	1376	-2900	58.9	31.1	45	1075
2023-03-21 3:01	2023-03-20 22:01	8.3	Light B - Tuzyk	5	21.3	12332	-4104	9475	-2183	1550	-2616	53.9	36.1	6	892
2023-03-21 3:01	2023-03-20 22:01	8.3	Light B - Tuzyk	5.01	21.3	12465	-1873	10214	-2380	1435	-2360	53.9	36.1	55	2066
2023-03-21 3:01	2023-03-20 22:01	8.3	Light B - Tuzyk	5	21.54	11483	-3021	10814	-2591	938	-2347	49.4	40.6	354	2562
2023-03-21 3:01	2023-03-20 22:01	8.3	Light B - Tuzyk	5.01	21.54	11055	-1684	10244	-2784	330	-2344	50.5	39.5	273	1559
2023-03-21 3:01	2023-03-20 22:01	8.3	Light B - Tuzyk	5	21.54	11833	-3472	10462	-2594	-218	-2768	50.8	39.2	284	1728
2023-03-21 3:01	2023-03-20 22:01	8.3	Light B - Tuzyk	5.01	21.2	13674	-2509	10598	-2260	-341	-3192	55	35	307	2678
2023-03-21 3:01	2023-03-20 22:01	8.3	Light B - Tuzyk	5.01	21.2	9971	-1583	12923	-1472	-163	-3842	40.8	49.2	319	967
2023-03-21 3:01	2023-03-20 22:01	8.3	Light B - Tuzyk	5	21.2	10391	-2013	11522	-1284	335	-3941	45.2	44.8	339	1345
2023-03-21 3:01	2023-03-20 22:01	8.3	Light B - Tuzyk	5	20.98	10824	-4088	11203	-1147	1142	-3846	45.9	44.1	347	958
2023-03-21 3:01	2023-03-20 22:01	8.3	Light B - Tuzyk	5.01	20.98	10983	-1889	11864	-1161	1501	-3657	46	44	23	1789
2023-03-21 3:01	2023-03-20 22:01	8.3	Light B - Tuzyk	5	20.98	9580	-4226	11860	-1675	1627	-3163	40.9	49.1	12	739
2023-03-21 3:01	2023-03-20 22:01	8	Light B - Tuzyk	5	21.4	12056	-3016	11310	-2025	1589	-2788	49.5	40.5	33	3480
2023-03-21 3:01	2023-03-20 22:01	8	Light B - Tuzyk	5	21.4	9094	-4113	13901	-2297	1037	-2749	35.4	54.6	201	1725
2023-03-21 3:01	2023-03-20 22:01	8	Light B - Tuzyk	5	21.4	11226	-1666	13384	-2581	502	-2608	43.1	46.9	230	2761
2023-03-21 3:01	2023-03-20 22:01	8	Light B - Tuzyk	5	21.33	10036	-5281	12700	-2535	199	-2831	39.6	50.4	265	2213
2023-03-21 3:01	2023-03-20 22:01	8	Light B - Tuzyk	5.01	21.33	11944	-7072	12552	-2105	-65	-3363	43.1	46.9	284	2552
2023-03-21 3:01	2023-03-20 22:01	8	Light B - Tuzyk	5.01	21.33	11902	-2820	9998	-1734	198	-3655	52.7	37.3	324	1242
2023-03-21 3:01	2023-03-20 22:01	8	Light B - Tuzyk	5	20.97	8519	-5785	12682	-906	850	-4048	34.8	55.2	320	1027
2023-03-21 3:01	2023-03-20 22:01	8	Light B - Tuzyk	5	20.97	10742	-2436	12475	-1060	1071	-3902	43.7	46.3	5	673
2023-03-21 3:01	2023-03-20 22:01	8	Light B - Tuzyk	5	20.97	9835	-3402	12998	-1235	1550	-3594	39.6	50.4	17	1045
2023-03-21 3:01	2023-03-20 22:01	7.7	Light B - Tuzyk	5	21.32	9885	-2456	12376	-1573	1578	-3284	41.6	48.4	32	1314
2023-03-21 3:01	2023-03-20 22:01	7.7	Light B - Tuzyk	5	21.32	10067	-1854	14619	-1996	1565	-2823	37.5	52.5	76	2330
2023-03-21 3:01	2023-03-20 22:01	7.7	Light B - Tuzyk	5	21.32	10637	-4290	12477	-2382	958	-2645	42.4	47.6	281	451
2023-03-21 3:01	2023-03-20 22:01	7.7	Light B - Tuzyk	5	21.32	12616	-886	11039	-2766	360	-2385	52.2	37.8	321	1161
2023-03-21 3:01	2023-03-20 22:01	7.7	Light B - Tuzyk	5	21.4	11617	-3787	10726	-2857	42	-2252	49.3	40.7	265	1948
2023-03-21 3:01	2023-03-20 22:01	7.7	Light B - Tuzyk	5	21.4	13368	-2109	9300	-2762	-390	-2495	58.1	31.9	290	2728
2023-03-21 3:01	2023-03-20 22:01	7.7	Light B - Tuzyk	5	21.09	10523	-2059	11645	-2195	-279	-3263	45.3	44.7	299	952
2023-03-21 3:01	2023-03-20 22:01	7.7	Light B - Tuzyk	5	21.09	11484	-2631	9951	-1931	-134	-3525	51.9	38.1	313	881
2023-03-21 3:01	2023-03-20 22:01	7.7	Light B - Tuzyk	5	21.09	10444	-3329	12699	-1544	336	-3796	42	48	320	2236
2023-03-21 3:01	2023-03-20 22:01	7.7	Light B - Tuzyk	5	21	10134	-1561	11363	-1012	703	-4022	45.1	44.9	359	2289
2023-03-21 3:01	2023-03-20 22:01	7.7	Light B - Tuzyk	5	21	7862	-4386	14887	-627	1301	-4002	29.8	60.2	1	976
2023-03-21 3:01	2023-03-20 22:01	7.7	Light B - Tuzyk	5	21	9039	-2462	13924	-922	1444	-3812	35.8	54.2	24	1619
2023-03-21 3:01	2023-03-20 22:01	7.7	Light B - Tuzyk	5	21	8686	-1675	13633	-1365	1488	-3507	35.5	54.5	43	2403
2023-03-21 3:02	2023-03-20 22:02	7.4	Light B - Tuzyk	5	21.48	9322	-2064	12979	-1908	1173	-3192	38.7	51.3	38	2311
2023-03-21 3:02	2023-03-20 22:02	7.4	Light B - Tuzyk	5	21.48	7674	6348	15003	-1354	433	-3742	27.4	62.6	80	4417
2023-03-21 3:22	2023-03-20 22:22	9.3	Light A - Dixie	5	21.58	5837	-2190	15231	-222	344	-3987	23.4	66.6	340	1096
2023-03-21 3:22	2023-03-20 22:22	9.3	Light A - Dixie	5	21.58	6205	-1080	15547	-109	541	-4003	24.3	65.7	2	1427
2023-03-21 3:22	2023-03-20 22:22	9.3	Light A - Dixie	5	21.12	5459	-3455	16626	17	1024	-3968	20.2	69.8	2	1249
2023-03-21 3:22	2023-03-20 22:22	9.3	Light A - Dixie	5	21.12	5545	-1291	15365	-194	1377	-3827	22.3	67.7	36	883
2023-03-21 3:22	2023-03-20 22:22	9.3	Light A - Dixie	5.01	21.12	6710	-2231	15725	-873	1586	-3528	25.6	64.4	49	1197
2023-03-21 3:22	2023-03-20 22:22	9.3	Light A - Dixie	5.01	21.31	4353	-2427	15095	-1265	1427	-3364	18.2	71.8	100	1896
2023-03-21 3:22	2023-03-20 22:22	9.3	Light A - Dixie	5.01	21.31	8238	-3681	15269	-1697	1228	-3145	30.6	59.4	44	1585
2023-03-21 3:22	2023-03-20 22:22	9.3	Light A - Dixie	5.01	21.31	6609	-1649	15362	-1964	761	-3093	25.8	64.2	157	562
2023-03-21 3:22	2023-03-20 22:22	9.3	Light A - Dixie	5	21.31	6410	-2671	15854	-1938	123	-3212	24.3	65.7	241	1466
2023-03-21 3:22	2023-03-20 22:22	9.3	Light A - Dixie	5.01	21.4	6212	-2503	14909	-1534	-204	-3482	25	65	271	1016
2023-03-21 3:22	2023-03-20 22:22	9.3	Light A - Dixie	5.01	21.4	5735	-2639	14309	-1155	-327	-3658	24.2	65.8	284	1281
2023-03-21 3:22	2023-03-20 22:22	9.3	Light A - Dixie	5	21.4	8537	-1419	13385	-961	8	-3773	35.6	54.4	331	571
2023-03-21 3:22	2023-03-20 22:22	9.3	Light A - Dixie	5.01	21.2	7393	-2590	15684	-451	683	-3938	27.7	62.3	353	1666
2023-03-21 3:22	2023-03-20 22:22	9	Light A - Dixie	5	21.2	7559	-1819	13176	-594	1156	-3796	32.8	57.2	18	1343
2023-03-21 3:22	2023-03-20 22:22	9	Light A - Dixie	5.01	21.2	9333	-5066	13505	-1126	1583	-3393	36.2	53.8	1	1361
2023-03-21 3:22	2023-03-20 22:22	9	Light A - Dixie	5	21.08	9246	-1852	12843	-1412	1586	-3209	38.9	51.1	42	1112
2023-03-21 3:22	2023-03-20 22:22	9	Light A - Dixie	5.01	21.08	9496	-1478	13172	-1610	1511	-3100	38.9	51.1	51	1675
2023-03-21 3:22	2023-03-20 22:22	9	Light A - Dixie	5	21.08	10050	-1274	12582	-1727	1454	-3018	41.9	48.1	50	763
2023-03-21 3:22	2023-03-20 22:22	9	Light A - Dixie	5.01	21.42	8610	-631	12733	-1987	1388	-2816	37.3	52.7	79	2471
2023-03-21 3:22	2023-03-20 22:22	9	Light A - Dixie	5	21.42	11314	753	13314	-2552	730	-2437	43.5	46.5	100	2544
2023-03-21 3:22	2023-03-20 22:22	9	Light A - Dixie	5	21.42	11913	-3865	12869	-2653	46	-2442	45	45	264	1778
2023-03-21 3:22	2023-03-20 22:22	9	Light A - Dixie	5.01	21.28	7896	-379	13731	-2232	-481	-2919	32.9	57.1	257	905
2023-03-21 3:22	2023-03-20 22:22	9	Light A - Dixie	5	21.28	8604	-587	12927	-1758	-504	-3293	36.9	53.1	300	2234
2023-03-21 3:22	2023-03-20 22:22	9	Light A - Dixie	5.01	21.28	11475	-153	9454	-1450	-84	-3546	54.1	35.9	348	713
2023-03-21 3:22	2023-03-20 22:22	9	Light A - Dixie	5.01	20.97	9155	-4030	13323	-1137	922	-3634	36.7	53.3	340	1390
2023-03-21 3:22	2023-03-20 22:22	9	Light A - Dixie	5	20.97	11040	-454	11016	-1433	1280	-3351	48.6	41.4	32	1570
2023-03-21 3:22	2023-03-20 22:22	8.7	Light A - Dixie	5.01	20.97	12012	-2272	10347	-1914	1420	-2868	52.3	37.7	26	2259
2023-03-21 3:22	2023-03-20 22:22	8.7	Light A - Dixie	5	21.36	13172	1482	11590	-2594	1020	-2244	51.6	38.4	83	991
2023-03-21 3:22	2023-03-20 22:22	8.7	Light A - Dixie	5	21.36	11750	-3315	10225	-2873	545	-2003	51.3	38.7	251	695
2023-03-21 3:22	2023-03-20 22:22	8.7	Light A - Dixie	5	21.36	10053	439	10298	-2870	-55	-2123	47.8	42.2	226	3180
2023-03-21 3:22	2023-03-20 22:22	8.7	Light A - Dixie	5.01	21.28	12039	1956	10466	-2689	-706	-2332	51.7	38.3	293	1846
2023-03-21 3:22	2023-03-20 22:22	8.7	Light A - Dixie	5.01	21.28	10560	-3905	10978	-1957	-205	-3200	45.9	44.1	295	2698
2023-03-21 3:22	2023-03-20 22:22	8.7	Light A - Dixie	5.01	21.28	11994	-610	9542	-1822	-255	-3296	55.1	34.9	334	731
2023-03-21 3:22	2023-03-20 22:22	8.7	Light A - Dixie	5.01	20.98	13386	-2126	9808	-1743	451	-3347	56.8	33.2	342	3159
2023-03-21 3:22	2023-03-20 22:22	8.7	Light A - Dixie	5	20.98	12298	-1473	7875	-1726	800	-3272	60.7	29.3	358	1540
2023-03-21 3:22	2023-03-20 22:22	8.7	Light A - Dixie	5.01	20.98										

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-03-21 3:23	2023-03-20 22:23		8 Light A - Dixie	5	21.53	4830	-3516	14595	-184	145	-4009	20.3	69.7	316	3464
2023-03-21 3:23	2023-03-20 22:23		8 Light A - Dixie	5	21.53	7124	-2593	12883	-161	530	-4010	31.7	58.3	346	1060
2023-03-21 3:23	2023-03-20 22:23		8 Light A - Dixie	5	21.25	5670	-397	14959	-360	987	-3910	23.3	66.7	33	3995
2023-03-21 3:23	2023-03-20 22:23		8 Light A - Dixie	5	21.25	6415	51	15926	-335	1287	-3843	24.4	65.6	44	2063
2023-03-21 3:23	2023-03-20 22:23		7.7 Light A - Dixie	5.01	21.25	8713	-3647	12481	-796	1541	-3580	37.3	52.7	10	2368
2023-03-21 3:23	2023-03-20 22:23		7.7 Light A - Dixie	5	21.24	6354	-953	15285	-1273	1415	-3377	25.1	64.9	72	1648
2023-03-21 3:23	2023-03-20 22:23		7.7 Light A - Dixie	5	21.24	8004	-2216	13982	-1684	1298	-3152	32.6	57.4	59	2468
2023-03-21 3:23	2023-03-20 22:23		7.7 Light A - Dixie	5	21.24	8159	-1158	13864	-1882	1036	-3091	33.5	56.5	74	2474
2023-03-21 3:23	2023-03-20 22:23		7.7 Light A - Dixie	5	21.32	7476	-2881	13365	-2238	383	-2936	31.8	58.2	241	1369
2023-03-21 3:23	2023-03-20 22:23		7.7 Light A - Dixie	5	21.32	10302	-1645	12543	-2267	-91	-2940	42.6	47.4	288	1194
2023-03-21 3:23	2023-03-20 22:23		7.7 Light A - Dixie	5	21.32	7364	-2805	13977	-1854	-261	-3275	30.4	59.6	273	1604
2023-03-21 3:23	2023-03-20 22:23		7.7 Light A - Dixie	5	21.14	8832	-1589	13350	-1541	-178	-3492	36.6	53.4	308	1053
2023-03-21 3:23	2023-03-20 22:23		7.7 Light A - Dixie	5	21.14	9293	-4276	12938	-1144	103	-3714	37.7	52.3	309	1968
2023-03-21 3:23	2023-03-20 22:23		7.4 Light A - Dixie	5	20.97	8563	-1184	13717	-885	416	-3825	35	55	353	777
2023-03-21 3:23	2023-03-20 22:23		7.4 Light A - Dixie	5	20.97	8273	-3455	12565	-825	984	-3768	35.8	54.2	350	3421
2023-03-21 3:23	2023-03-20 22:23		7.4 Light A - Dixie	5	20.97	9755	-1659	11687	-1108	1412	-3484	43.1	46.9	24	1935
2023-03-21 3:23	2023-03-20 22:23		7.4 Light A - Dixie	5	21.16	9274	-3493	14932	-1309	1567	-3307	34.3	55.7	30	1467
2023-03-21 3:23	2023-03-20 22:23		7.4 Light A - Dixie	5	21.16	8929	154	13965	-1718	1473	-3042	35.6	54.4	72	1866
2023-03-21 3:23	2023-03-20 22:23		7.4 Light A - Dixie	5	21.16	7793	-3930	14257	-2192	1126	-2740	30.9	59.1	168	1375
2023-03-21 3:23	2023-03-20 22:23		7.4 Light A - Dixie	5	21.16	9580	219	14251	-2422	724	-2636	37	53	116	3415
2023-03-21 3:23	2023-03-20 22:23		7.4 Light A - Dixie	5	21.35	7708	-5132	12961	-2354	552	-2761	32.2	57.8	244	2884
2023-03-21 3:23	2023-03-20 22:23		7.4 Light A - Dixie	5	21.35	11682	-1965	9664	-2483	-40	-2699	53.6	36.4	300	1719
2023-03-21 3:23	2023-03-20 22:23		7.4 Light A - Dixie	5	21.14	11034	-3054	12326	-2383	-318	-2784	44.5	45.5	279	1631
2023-03-21 3:23	2023-03-20 22:23		7.4 Light A - Dixie	5	21.14	13762	-736	9625	-2121	-471	-3027	58.4	31.6	322	2638
2023-03-21 3:23	2023-03-20 22:23		7.4 Light A - Dixie	5.01	21.14	12338	-1629	7790	-2355	74	-2845	61	29	322	943
2023-03-21 3:23	2023-03-20 22:23		7 Light A - Dixie	5	21.15	14326	-5016	7355	-2403	420	-2749	61.8	28.2	298	2725
2023-03-21 3:23	2023-03-20 22:23		7 Light A - Dixie	5.01	21.15	14104	-779	4613	-2461	736	-2590	74.9	15.1	4	1201
2023-03-21 3:23	2023-03-20 22:23		7 Light A - Dixie	5.01	21.15	13472	-2677	8570	-2297	1184	-2591	60	30	5	1507
2023-03-21 3:23	2023-03-20 22:23		7 Light A - Dixie	5	21.15	13764	-305	10440	-2182	1358	-2624	56.2	33.8	51	550
2023-03-21 3:23	2023-03-20 22:23		7 Light A - Dixie	5	21.5	8302	568	12536	-2004	1131	-2933	36.7	53.3	81	2406
2023-03-21 3:23	2023-03-20 22:23		7 Light A - Dixie	5	21.5	7412	2769	14300	-1948	314	-3204	29.6	60.4	99	2805
2023-05-20 4:18	2023-05-19 23:18		19.6 Light C - Tote	5.17	23.14	-11788	-622	11336	1071	-1457	794	-47.9	137.9	279	230
2023-05-20 4:18	2023-05-19 23:18		19.6 Light C - Tote	5.17	23.14	-11858	-637	11194	1077	-1458	798	-48.4	138.4	279	315
2023-05-20 4:18	2023-05-19 23:18		19.6 Light C - Tote	5.15	23.14	-11730	-587	11376	1069	-1459	791	-47.6	137.6	279	194
2023-05-20 4:18	2023-05-19 23:18		19.6 Light C - Tote	5.17	23.14	-11733	-685	11395	1067	-1461	782	-47.6	137.6	279	323
2023-05-20 4:18	2023-05-19 23:18		19.6 Light C - Tote	5.15	23.14	-11736	-708	11177	1069	-1459	789	-48.2	138.2	279	486
2023-05-20 4:18	2023-05-19 23:18		19.6 Light C - Tote	5.15	23.14	-11700	-677	11246	1072	-1457	783	-47.9	137.9	279	545
2023-05-20 4:18	2023-05-19 23:18		19.6 Light C - Tote	5.17	23.14	-11734	-662	11273	1073	-1445	775	-47.9	137.9	279	235
2023-05-20 4:18	2023-05-19 23:18		19.6 Light C - Tote	5.17	23.14	-11745	-736	11302	1067	-1462	785	-47.8	137.8	279	278
2023-05-20 4:18	2023-05-19 23:18		19.6 Light C - Tote	5.17	23.14	-11839	-721	11169	1056	-1470	788	-48.4	138.4	279	217
2023-05-20 4:18	2023-05-19 23:18		19.6 Light C - Tote	5.17	24.05	-11926	-910	11091	1056	-1484	783	-48.8	138.8	280	303
2023-05-20 4:18	2023-05-19 23:18		19.6 Light C - Tote	5.17	24.05	-11839	-966	11189	1047	-1486	791	-48.3	138.3	280	352
2023-05-20 4:18	2023-05-19 23:18		19.6 Light C - Tote	5.17	24.05	-11838	-903	11011	1048	-1482	793	-48.8	138.8	280	300
2023-05-20 4:19	2023-05-19 23:19		19.6 Light C - Tote	5.15	24.05	-11845	-1291	11282	1067	-1463	726	-48	138	279	568
2023-05-20 4:19	2023-05-19 23:19		19.6 Light C - Tote	5.15	24.05	-11343	-1491	11686	1098	-1423	597	-45.7	135.7	277	324
2023-05-20 4:19	2023-05-19 23:19		19.6 Light C - Tote	5.17	24.05	-11753	-1305	11172	1081	-1503	806	-48.1	138.1	281	99
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.17	24.05	-11962	-1457	11085	1031	-1491	792	-48.8	138.8	282	288
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.15	24.05	-11803	-1440	11028	1109	-1500	866	-48.6	138.6	282	334
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.15	24.05	-11999	-1308	10898	1098	-1499	981	-49.4	139.4	284	186
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.17	24.05	-12047	-1708	10775	1065	-1520	942	-49.7	139.7	285	244
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.17	24.05	-11938	-1883	10953	1040	-1623	1005	-48.9	138.9	286	226
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.15	24.05	-11344	-5020	10850	1275	-1817	910	-45.4	135.4	287	1719
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.17	15.44	-3617	-1157	-15357	3224	1748	3980	-13.3	103.3	322	1586
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.15	16.91	-28	-803	-17189	-422	1512	7408	0.2	89.8	251	807
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.17	15.89	-98	-763	-16928	-434	1487	7413	-0.1	90.1	250	812
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.17	16.89	13	-880	-16924	-431	1486	7417	0.3	89.7	250	257
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.17	17.09	41	-774	-17132	-431	1490	7418	0.4	89.6	251	375
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.17	15.3	62	-890	-16825	-444	1489	7413	0.5	89.5	250	723
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.15	16.21	-20	-843	-16834	-427	1485	7423	0.2	89.8	250	216
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.15	15.73	-121	-791	-16985	-424	1489	7415	-0.2	90.2	250	421
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.15	16.51	-97	-810	-16896	-429	1487	7409	-0.1	90.1	250	507
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.17	16.91	-23	-837	-16899	-424	1476	7416	0.2	89.8	250	231
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.15	16.79	-38	-773	-16937	-422	1480	7414	0.1	89.9	251	264
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.17	17.03	21	-867	-16758	-472	1509	7458	0.3	89.7	249	259
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.17	16.81	-104	-935	-15442	-465	1501	7450	-0.1	90.1	248	1847
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.15	16.81	-41	-843	-16896	-361	1254	7411	0.1	89.9	249	193
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.17	16.37	-93	-754	-16895	-361	1257	7406	-0.1	90.1	248	126
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.17	16.17	-28	-805	-16729	-357	1249	7418	0.2	89.8	249	475
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.17	16.51	-74	-825	-16931	-360	1266	7408	0	90	249	435
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.17	16.51	-118	-786	-16741	-355	1233	7427	-0.2	90.2	248	201
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.17	16.5	-73	-776	-16882	-97	748	7676	0	90	256	399
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.18	16.32	67	-788	-17039	68	549	7792	0.5	89.5	304	641
2023-05-20 4:19	2023-05-19 23:19		19.9 Light C - Tote	5.17	16.25	-55	-769	-16958	125	479	7816				

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-05-20 4:19	2023-05-19 23:19	20.3	Light C - Tote	5.17	16.99	11	-765	-16914	526	126	8059	0.3	89.7	25	191
2023-05-20 4:19	2023-05-19 23:19	20.3	Light C - Tote	5.17	17.02	-102	-781	-16753	518	124	8081	-0.1	90.1	27	545
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.15	17.04	38	-727	-16969	527	121	8058	0.4	89.6	25	652
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.03	-39	-796	-16834	544	110	8079	0.1	89.9	27	656
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.03	-37	-806	-16834	549	108	8085	0.1	89.9	27	502
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.15	17.03	-5	-794	-16937	545	114	8077	0.2	89.8	26	302
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.15	17.04	-127	-824	-16835	545	104	8078	-0.2	90.2	29	510
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.05	-44	-805	-16856	546	106	8074	0.1	89.9	27	283
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.15	17.07	-61	-788	-16966	545	105	8072	0	90	27	558
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.05	38	-782	-16817	545	110	8076	0.4	89.6	26	208
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.15	17.06	0	-771	-16875	565	95	8080	0.3	89.7	27	621
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.15	17.05	-82	-781	-16679	595	80	8101	0	90	27	269
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.01	54	-793	-16803	735	-30	8170	0.5	89.5	29	679
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.01	28	-815	-16826	751	-42	8171	0.4	89.6	30	551
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17	3	-836	-16813	751	-36	8168	0.3	89.7	30	318
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	16.94	25	-782	-16781	752	-42	8163	0.4	89.6	29	494
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	16.88	-63	-706	-16888	756	-33	8171	0	90	28	161
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	16.91	-58	-829	-16865	751	-37	8182	0.1	89.9	30	233
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.15	16.95	-9	-805	-16804	755	-47	8175	0.2	89.8	30	444
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	16.95	-66	-774	-16744	755	-41	8180	0	90	30	402
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.01	-16	-746	-17021	754	-44	8179	0.2	89.8	29	665
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.01	-65	-789	-16972	756	-47	8172	0	90	30	672
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	16.61	-1	-712	-16861	756	3	8317	0.3	89.7	26	374
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	16.47	50	-817	-16952	845	7	8429	0.4	89.6	24	211
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	16.47	30	-747	-17075	872	-8	8460	0.4	89.6	24	291
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	16.15	47	-798	-16816	950	-30	8555	0.4	89.6	24	450
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.15	15.91	79	-759	-16951	973	-53	8557	0.5	89.5	24	821
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.15	16.24	35	-741	-16813	963	-54	8546	0.4	89.6	24	403
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.15	16.23	10	-707	-16942	948	-46	8531	0.3	89.7	24	534
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	15.92	210	-411	-16691	797	-15	8256	1	89	21	17276
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	16.44	-5	-700	-16885	838	-27	8270	0.2	89.8	26	385
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.15	16.96	109	-810	-16781	840	-34	8271	0.7	89.3	26	376
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.16	108	-778	-16689	834	-36	8262	0.7	89.3	26	467
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.15	17.16	7	-806	-16801	849	-35	8267	0.3	89.7	27	286
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.16	35	-777	-16862	828	-66	8272	0.4	89.6	29	348
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.15	17.16	28	-745	-16841	826	-69	8264	0.4	89.6	28	728
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.16	106	-813	-16988	827	-76	8274	0.6	89.4	29	415
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.16	74	-806	-16986	830	-65	8270	0.5	89.5	29	476
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.16	70	-791	-16808	824	-68	8274	0.5	89.5	29	269
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.15	3	-738	-16738	826	-64	8262	0.3	89.7	28	239
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.15	67	-842	-16669	828	-62	8275	0.5	89.5	29	655
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.16	118	-739	-16689	834	-68	8271	0.7	89.3	28	288
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.16	54	-776	-16848	828	-69	8266	0.5	89.5	29	316
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.16	18	-781	-16810	832	-70	8262	0.3	89.7	29	242
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.15	17.15	-31	-808	-16931	824	-59	8268	0.1	89.9	29	236
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.15	89	-790	-16986	828	-65	8269	0.6	89.4	28	390
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.15	100	-771	-16997	824	-68	8281	0.6	89.4	28	408
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.24	15	-799	-16914	835	-67	8276	0.3	89.7	29	369
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.24	3	-798	-17021	826	-72	8271	0.3	89.7	29	227
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.18	17.24	17	-800	-16830	829	-69	8273	0.3	89.7	29	189
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.24	60	-736	-16974	835	-66	8276	0.5	89.5	28	421
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.15	17.24	113	-751	-16943	820	-65	8274	0.7	89.3	28	423
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.15	17.24	20	-826	-16895	826	-71	8268	0.3	89.7	29	322
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.24	-27	-789	-16963	831	-65	8270	0.2	89.8	29	313
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.15	17.24	49	-816	-16787	824	-70	8274	0.4	89.6	29	159
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.24	96	-751	-16895	829	-65	8262	0.6	89.4	28	329
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.24	39	-724	-16897	831	-65	8267	0.4	89.6	28	172
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.24	-54	-782	-16710	829	-64	8259	0.1	89.9	29	704
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.24	120	-799	-16823	830	-67	8263	0.7	89.3	28	298
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.24	55	-757	-16845	827	-68	8270	0.5	89.5	28	220
2023-05-20 4:20	2023-05-19 23:20	20.3	Light C - Tote	5.17	17.24	-4	-787	-16869	827	-63	8278	0.2	89.8	29	206
2023-05-20 4:21	2023-05-19 23:21	20.3	Light C - Tote	5.17	17.24	43	-735	-17001	821	-71	8269	0.4	89.6	29	445
2023-05-20 4:21	2023-05-19 23:21	20.3	Light C - Tote	5.17	17.24	-45	-751	-16958	824	-68	8270	0.1	89.9	29	379
2023-05-20 4:21	2023-05-19 23:21	20.3	Light C - Tote	5.17	17.23	73	-754	-16799	828	-68	8268	0.5	89.5	28	370
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	17.23	-52	-812	-16981	824	-65	8267	0.1	89.9	29	40
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	17.24	-1	-759	-17027	828	-66	8274	0.3	89.7	29	526
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	17.24	40	-779	-16930	825	-67	8268	0.4	89.6	29	586
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	17.24	15	-847	-16852	830	-63	8268	0.3	89.7	29	280
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.15	17.23	79	-786	-16892	828	-74	8277	0.5	89.5	29	148
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	17.24	36	-785	-16884	827	-60	8271	0.4	89.6	28	796
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.15	17.24	-7	-845	-16723	826	-64	8274	0.2	89.8	29	714
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	17.24	53	-847	-16741	832	-69	8275	0.5	89.5	29	352
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	15.89	42	-928	-16971	878	-67	8349	0.4	89.6	29	822
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.15	15.91	-23	-769	-16757	999	-82	8483	0.2	89.8	26	353
2023-05-20 4:21	2023-05-19 23:21	20.6													

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	-6	-749	-16944	820	-61	8280	0.2	89.8	28	421
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	-28	-822	-16776	839	-30	8283	0.2	89.8	27	710
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	81	-776	-17001	835	-30	8282	0.5	89.5	26	364
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.15	22.21	107	-850	-16867	837	-29	8271	0.6	89.4	27	234
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	-9	-794	-16891	835	-26	8286	0.2	89.8	27	356
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	4	-816	-16911	827	-66	8274	0.3	89.7	29	399
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	105	-777	-16849	823	-64	8281	0.6	89.4	28	314
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	20	-665	-16790	830	-62	8275	0.3	89.7	27	362
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	-43	-761	-16849	822	-66	8283	0.1	89.9	29	360
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.18	22.21	2	-773	-16920	832	-70	8276	0.3	89.7	29	102
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	16	-759	-16877	825	-69	8289	0.3	89.7	29	174
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	121	-818	-16971	818	-62	8285	0.7	89.3	29	249
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	63	-775	-16923	826	-67	8286	0.5	89.5	28	329
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.15	22.21	-64	-755	-16994	822	-61	8293	0	90	29	698
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	90	-752	-16795	827	-63	8284	0.6	89.4	28	582
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	51	-793	-16957	824	-71	8279	0.4	89.6	29	223
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	-79	-803	-16703	828	-66	8280	0	90	30	331
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	110	-736	-16978	828	-67	8281	0.7	89.3	28	609
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	-47	-826	-16829	821	-69	8288	0.1	89.9	30	307
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	52	-764	-17062	827	-66	8286	0.4	89.6	28	373
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.19	22.21	2114	16398	18186	-7203	4440	438	5.8	84.2	51	-20292
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	-8	-778	-16858	824	-75	8283	0.2	89.8	29	208
2023-05-20 4:21	2023-05-19 23:21	20.6	Light C - Tote	5.17	22.21	91	-816	-16861	821	-67	8297	0.6	89.4	29	559
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	85	-808	-16836	819	-72	8275	0.6	89.4	29	567
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	-60	-787	-16722	823	-62	8282	0	90	29	299
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	-2	-780	-16848	823	-68	8287	0.3	89.7	29	247
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	23	-799	-16917	820	-73	8264	0.3	89.7	29	251
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	62	-774	-16905	823	-70	8284	0.5	89.5	29	163
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	53	-801	-16808	820	-69	8262	0.5	89.5	29	413
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	66	-749	-16736	824	-71	8279	0.5	89.5	28	511
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	85	-751	-16676	823	-65	8287	0.6	89.4	28	415
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.15	22.21	-10	-831	-16832	821	-72	8283	0.2	89.8	30	199
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	72	-759	-16907	824	-66	8291	0.5	89.5	28	407
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	42	-768	-16773	824	-72	8284	0.4	89.6	29	488
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	109	-826	-16835	824	-70	8269	0.7	89.3	29	323
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	57	-739	-16921	819	-69	8275	0.5	89.5	28	136
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	18	-754	-16859	819	-70	8281	0.3	89.7	29	340
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	-14	-781	-16832	822	-67	8279	0.2	89.8	29	259
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	31	-813	-16707	825	-64	8277	0.4	89.6	29	344
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	20	-753	-16921	823	-59	8276	0.3	89.7	28	228
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	67	-799	-16904	820	-69	8285	0.5	89.5	29	200
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	68	-735	-16594	818	-62	8281	0.5	89.5	28	527
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	58	-727	-16857	820	-63	8277	0.5	89.5	28	281
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	13	-823	-16823	821	-70	8285	0.3	89.7	30	331
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	51	-823	-16895	821	-63	8279	0.4	89.6	29	397
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	19	-740	-16923	818	-69	8286	0.3	89.7	29	302
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	9	-777	-16865	816	-66	8286	0.3	89.7	29	578
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	-118	-801	-16812	823	-63	8284	-0.2	90.2	30	398
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	27	-831	-16812	822	-65	8274	0.4	89.6	29	434
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.21	-2	-818	-16851	822	-67	8281	0.3	89.7	29	186
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.15	22.21	43	-772	-16870	822	-67	8277	0.4	89.6	29	261
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.24	8	-764	-16973	823	-71	8280	0.3	89.7	29	436
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.24	0	-787	-17154	814	-61	8277	0.3	89.7	29	551
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.24	84	-741	-16616	829	-68	8287	0.6	89.4	28	1112
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.24	29	-757	-17024	830	-62	8286	0.4	89.6	28	491
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.24	29	-781	-16868	825	-71	8284	0.4	89.6	29	161
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.24	6	-807	-16775	820	-69	8285	0.3	89.7	29	260
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.24	45	-805	-16836	821	-71	8291	0.4	89.6	29	136
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.15	22.24	118	-752	-16762	822	-74	8285	0.7	89.3	28	296
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.24	29	-770	-16857	823	-63	8281	0.4	89.6	28	309
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.15	22.24	-24	-829	-16897	822	-68	8283	0.2	89.8	30	324
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.24	55	-766	-16867	820	-73	8296	0.5	89.5	29	613
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.24	-2	-764	-16902	823	-75	8283	0.3	89.7	29	371
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.24	20	-801	-16787	823	-67	8283	0.3	89.7	29	173
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.24	66	-750	-16782	824	-66	8294	0.5	89.5	28	81
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.23	118	-729	-16905	816	-74	8276	0.7	89.3	28	252
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.23	-17	-793	-16942	828	-67	8285	0.2	89.8	29	670
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.15	22.23	153	-834	-16842	816	-72	8279	0.8	89.2	29	463
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.23	83	-796	-16941	824	-65	8273	0.6	89.4	29	606
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.23	54	-739	-16579	818	-68	8283	0.5	89.5	28	255
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.15	22.23	106	-810	-16916	819	-66	8290	0.6	89.4	29	771
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.15	22.23	31	-792	-16893	819	-73	8283	0.4	89.6	29	246
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.17	22.22	75	-751	-16933	815	-72	8281	0.5	89.5	29	592
2023-05-20 4:22	2023-05-19 23:22	20.6	Light C - Tote	5.15	22.22	28	-801	-17000	821	-67	8292	0.4	89.6	29	792
2023-05-20 4:22	2023-05-19 23:2														

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.15	22.23	78	-790	-16751	819	-74	8287	0.5	89.5	29	929
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.23	109	-775	-16860	827	-70	8298	0.7	89.3	28	702
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.23	76	-794	-16916	824	-65	8280	0.5	89.5	29	102
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.23	16	-836	-16612	833	-68	8286	0.3	89.7	29	272
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.23	-44	-757	-16794	814	-68	8284	0.1	89.9	29	323
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.24	111	-767	-17001	825	-68	8283	0.7	89.3	28	399
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.24	-32	-690	-16889	818	-69	8285	0.1	89.9	28	252
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.24	50	-772	-16789	821	-68	8289	0.4	89.6	29	352
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.15	22.24	17	-736	-16840	823	-60	8288	0.3	89.7	28	339
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.24	59	-752	-16968	826	-62	8282	0.5	89.5	28	248
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.24	69	-776	-16908	823	-67	8287	0.5	89.5	29	533
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.24	19	-765	-16877	826	-64	8286	0.3	89.7	28	271
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.15	22.24	55	-794	-17114	823	-68	8279	0.5	89.5	29	340
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.24	27	-854	-16800	820	-68	8283	0.4	89.6	30	141
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.24	-17	-748	-16860	824	-57	8285	0.2	89.8	28	203
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.24	4	-769	-16956	817	-72	8272	0.3	89.7	29	634
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.15	22.24	75	-832	-16923	817	-69	8290	0.5	89.5	29	340
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.24	109	-825	-16842	820	-67	8289	0.7	89.3	29	267
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.15	22.24	60	-794	-16803	825	-65	8281	0.5	89.5	29	142
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.24	115	-774	-16971	825	-71	8289	0.7	89.3	28	237
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.24	0	-756	-16928	814	-65	8289	0.3	89.7	29	711
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.15	22.24	90	-767	-16811	816	-68	8288	0.6	89.4	29	239
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.15	22.24	138	-808	-16822	823	-67	8281	0.8	89.2	28	272
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.15	22.24	-7	-773	-16594	823	-67	8287	0.2	89.8	29	296
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.24	36	-774	-16880	826	-70	8279	0.4	89.6	29	335
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.24	7	-781	-16844	820	-66	8277	0.3	89.7	29	451
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.24	-8	-748	-16901	817	-66	8291	0.2	89.8	29	313
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.15	22.24	63	-755	-16727	823	-71	8284	0.5	89.5	29	163
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.24	51	-764	-16857	823	-67	8279	0.4	89.6	29	638
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.15	22.24	-14	-804	-16775	824	-68	8284	0.2	89.8	29	133
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.15	22.24	-3	-740	-16963	823	-66	8287	0.2	89.8	29	244
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.15	22.24	31	-749	-16824	828	-62	8289	0.4	89.6	28	273
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.24	55	-779	-16804	825	-73	8288	0.5	89.5	29	894
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.15	22.24	52	-802	-16928	822	-74	8285	0.4	89.6	29	320
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.25	86	-756	-16929	827	-71	8291	0.6	89.4	28	571
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.15	22.25	89	-793	-16996	823	-65	8285	0.6	89.4	28	619
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.25	-19	-835	-16888	819	-65	8288	0.2	89.8	30	163
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.25	55	-835	-16687	824	-71	8283	0.5	89.5	29	267
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.25	38	-804	-16864	819	-59	8282	0.4	89.6	29	432
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.15	22.25	65	-813	-16826	822	-68	8284	0.5	89.5	29	754
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.25	30	-765	-16873	821	-72	8287	0.4	89.6	29	317
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.25	99	-829	-16869	820	-72	8288	0.6	89.4	29	169
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.17	22.25	123	-745	-16881	817	-64	8282	0.7	89.3	28	451
2023-05-20 4:23	2023-05-19 23:23	20.6	Light C - Tote	5.15	22.25	-20	-723	-16958	821	-74	8290	0.2	89.8	29	212
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.17	22.25	51	-752	-16994	817	-65	8289	0.4	89.6	28	437
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.17	22.25	9	-838	-16626	824	-68	8284	0.3	89.7	30	253
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.17	22.25	-15	-793	-16894	819	-70	8288	0.2	89.8	29	137
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.15	22.25	5	-783	-16846	819	-74	8281	0.3	89.7	29	180
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.17	22.25	16	-768	-16773	826	-69	8278	0.3	89.7	29	219
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.17	22.26	-35	-815	-16725	827	-64	8287	0.1	89.9	29	370
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.15	22.26	102	-791	-16935	818	-69	8284	0.6	89.4	29	237
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.17	22.26	59	-737	-16905	825	-70	8279	0.5	89.5	28	189
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.15	22.26	44	-796	-17037	824	-67	8280	0.4	89.6	29	259
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.17	22.26	32	-766	-16935	815	-69	8282	0.4	89.6	29	271
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.15	22.26	37	-763	-17020	826	-66	8287	0.4	89.6	28	605
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.17	22.26	97	-777	-16901	824	-71	8285	0.6	89.4	29	179
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.15	22.27	69	-795	-16905	821	-66	8284	0.5	89.5	29	258
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.17	22.27	24	-904	-16905	820	-69	8284	0.3	89.7	30	578
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.17	15.89	83	-762	-16915	998	-88	8511	0.6	89.4	25	393
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.17	15.9	100	-783	-16824	1027	-100	8533	0.6	89.4	26	305
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.15	15.91	-164	-1903	-16558	948	-137	8401	-0.3	90.3	40	7272
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.17	15.64	-5379	5041	18573	-153	-2143	-2570	-17.2	107.2	236	10427
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.01	18.92	6879	-1234	15414	-399	-127	-4367	26.7	63.3	329	869
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.01	18.93	6674	-1147	15165	-364	-117	-4388	26.4	63.6	331	871
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.01	18.93	6312	-1576	14966	-305	49	-4412	25.4	64.6	333	1378
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.01	19.11	6403	-370	14570	-46	315	-4453	26.4	63.6	359	1332
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.01	19.25	5221	-1690	16531	102	420	-4461	19.7	70.3	351	1959
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.01	19.13	4731	-1035	16515	172	656	-4442	18.1	71.9	8	765
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.01	19.26	4575	-1924	14682	315	907	-4403	19.6	70.4	8	1185
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.01	18.88	6563	-775	15325	45	994	-4356	25.8	64.2	20	2215
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.01	18.2	4899	-2919	16259	-168	1145	-4275	18.8	71.2	15	2253
2023-05-20 4:24	2023-05-19 23:24	20.6	Light C - Tote	5.01	18.16	5039	-159	16969	-108	1221	-4269	18.7	71.3	43	1413
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	17.99	6113	-1387	15466	-346	1297	-4164	24.1	65.9	34	979
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	18.18	5675	-2868	14691	-625	143					

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	19.16	8702	-1951	13029	-1803	1235	-3271	36.8	53.2	43	846
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	19.43	2122	16398	17930	-25732	3938	438	5.8	84.2	51	20156
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	19.69	8528	-4171	12763	-2172	786	-3108	35.8	54.2	276	1614
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	19.96	8532	-1490	14400	-2210	508	-3178	33.6	56.4	229	798
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	19.97	8304	-4523	13545	-2272	204	-3204	33.4	56.6	264	1147
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	19.93	8791	-2227	14037	-2232	-131	-3295	34.9	55.1	273	927
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	19.71	8291	-4478	14802	-1881	-284	-3623	31.2	58.8	274	1150
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	19.06	9509	-498	14207	-1633	-584	-3800	36.9	53.1	304	967
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	18.26	7719	-3839	13761	-1160	-182	-4097	31.5	58.5	296	3094
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	18.26	8504	-3564	12654	-1054	95	-4157	36.3	53.7	313	1652
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	18.35	9309	-2445	12849	-845	470	-4217	38.8	51.2	342	1102
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	18.31	8196	-4288	15092	-670	845	-4202	30.6	59.4	341	1435
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	18.36	8058	-1858	13561	-574	1080	-4160	33.7	56.3	14	1258
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	18.05	8902	-6514	14231	-639	1528	-3939	32.8	57.2	348	2073
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	17.91	9080	-4225	13207	-894	1588	-3777	36.6	53.4	9	843
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	18.08	8040	-3331	14705	-1074	1770	-3540	31.1	58.9	38	521
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	18.54	6947	-4579	15044	-1400	1671	-3374	26.6	63.4	45	408
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	19.27	8366	-3062	14330	-1772	1348	-3253	32.8	57.2	49	505
2023-05-20 4:25	2023-05-19 23:25	20.6	Light C - Tote	5.01	19.71	7688	-3925	13470	-2000	964	-3238	31.9	58.1	276	1990
2023-05-20 4:25	2023-05-19 23:25	20.3	Light C - Tote	5.01	19.94	9127	-2146	13371	-2537	278	-2816	37.3	52.7	242	1731
2023-05-20 4:25	2023-05-19 23:25	20.3	Light C - Tote	5.01	19.84	10460	-3540	12254	-2666	-38	-2690	42.9	47.1	266	1937
2023-05-20 4:25	2023-05-19 23:25	20.3	Light C - Tote	5.01	19.75	9371	-2683	12881	-2473	-436	-3006	38.9	51.1	270	1486
2023-05-20 4:25	2023-05-19 23:25	20.3	Light C - Tote	5.01	19.42	10340	-808	13331	-2148	-542	-3365	41	49	297	1186
2023-05-20 4:25	2023-05-19 23:25	20.3	Light C - Tote	5.01	18.79	8560	-2990	13547	-1812	-396	-3676	34.9	55.1	285	1185
2023-05-20 4:25	2023-05-19 23:25	20.3	Light C - Tote	5.01	18.6	11433	-1506	13305	-1680	-395	-3773	43.8	46.2	313	1389
2023-05-20 4:25	2023-05-19 23:25	20.3	Light C - Tote	5.01	18.28	11697	-6051	12533	-1468	-175	-3923	43.5	46.5	296	1381
2023-05-20 4:25	2023-05-19 23:25	20.3	Light C - Tote	5.01	18.25	10415	-2690	13390	-1132	60	-4107	40.7	49.3	324	1612
2023-05-20 4:25	2023-05-19 23:25	20.3	Light C - Tote	5.01	18.31	9963	-2606	12928	-916	415	-4185	40.5	49.5	339	1004
2023-05-20 4:25	2023-05-19 23:25	20.3	Light C - Tote	5.01	18.26	10590	-2028	13290	-865	651	-4164	41.6	48.4	355	1633
2023-05-20 4:25	2023-05-19 23:25	20.3	Light C - Tote	5.01	18.25	9152	-2994	12779	-780	1060	-4087	38.3	51.7	360	1527
2023-05-20 4:25	2023-05-19 23:25	20.3	Light C - Tote	5.01	18.03	8046	-2892	13286	-926	1314	-3895	33.9	56.1	15	1042
2023-05-20 4:25	2023-05-19 23:25	20.3	Light C - Tote	5.01	17.96	8937	-2417	13427	-1047	1417	-3787	36.5	53.5	24	614
2023-05-20 4:25	2023-05-19 23:25	20.3	Light C - Tote	5.01	18.16	7936	-3799	15512	-1285	1534	-3552	29.3	60.7	36	1394
2023-05-20 4:25	2023-05-19 23:25	20.3	Light C - Tote	5.01	18.27	10416	-1632	14332	-1339	1523	-3521	39	51	39	1747
2023-05-20 4:25	2023-05-19 23:25	20.3	Light C - Tote	5.01	18.88	9226	-5732	12702	-1721	1462	-3232	36.9	53.1	334	1103
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	19.21	9014	-2130	12734	-1934	1221	-3139	38.3	51.7	44	1232
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	19.4	9767	-5621	13754	-2217	1011	-2926	36.6	53.4	270	1075
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	19.79	8919	-2550	13664	-2460	375	-2902	35.9	54.1	243	654
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	19.88	12534	-4917	12756	-2619	-37	-2758	46	44	274	1848
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	19.66	12293	-2104	9117	-2930	-499	-2224	56.5	33.5	278	1858
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	19.04	13292	-732	8690	-2835	-639	-2420	60.3	29.7	295	1567
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	18.76	13083	-3906	10241	-2603	-606	-2809	53.7	36.3	284	555
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	18.61	14468	-2124	7518	-2382	-395	-3121	65.2	24.8	312	442
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	18.41	13407	-2701	8176	-2099	159	-3402	61	29	322	618
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	18.32	14383	-3114	7992	-2051	627	-3324	62.8	27.2	331	495
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	18.46	12597	-1698	8839	-2129	949	-3078	58.2	31.8	4	1764
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	18.43	14171	-3651	6558	-2212	1277	-2736	65.6	24.4	339	1337
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	18.47	14722	-1372	8051	-2333	1316	-2483	64.5	25.5	31	1221
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	18.72	13618	-4885	7676	-2525	1356	-2052	60	30	332	1311
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	19.03	13631	-3105	5896	-2851	1012	-1520	67.6	22.4	336	1267
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	19.29	13711	-2383	8578	-2988	660	-1508	60.7	29.3	220	998
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	19.4	13132	-5513	10151	-3036	271	-1706	52.3	37.7	256	1551
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	19.49	14688	-3823	7265	-3024	-63	-1899	64.4	25.6	278	1226
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	19.24	13050	-4774	7693	-2834	-342	-2424	59	31	279	611
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	18.87	12028	-2032	9082	-2552	-364	-2881	56.1	33.9	299	960
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	18.58	12829	-4459	10273	-2139	-163	-3395	52.6	37.4	299	2046
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	18.36	11232	-1329	11190	-1778	-18	-3709	48.5	41.5	330	1153
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	18.2	11863	-2685	10830	-1558	459	-3799	50.4	39.6	336	737
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	18.16	11673	-4995	11435	-1421	942	-3754	46.7	43.3	330	1559
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	18.14	12111	-2571	10537	-1425	1314	-3587	51.8	38.2	7	789
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	18.2	10615	-4562	11804	-1529	1572	-3332	43.6	46.4	359	1429
2023-05-20 4:26	2023-05-19 23:26	20.3	Light C - Tote	5.01	18.31	12313	-3200	11668	-1786	1638	-3013	49.1	40.9	24	1914
2023-05-20 4:26	2023-05-19 23:26	19.9	Light C - Tote	5.01	18.73	9659	-2795	11599	-2152	1515	-2621	42.6	47.4	64	1032
2023-05-20 4:26	2023-05-19 23:26	19.9	Light C - Tote	5.01	19.22	11560	-4792	10865	-2552	1037	-2354	47.9	42.1	284	1511
2023-05-20 4:26	2023-05-19 23:26	19.9	Light C - Tote	5.01	19.69	10878	-1331	11300	-2651	469	-2574	47.3	42.7	299	1556
2023-05-20 4:26	2023-05-19 23:26	19.9	Light C - Tote	5.01	19.92	8880	-3967	13763	-2388	264	-3042	35.1	54.9	259	605
2023-05-20 4:26	2023-05-19 23:26	19.9	Light C - Tote	5.01	19.94	10460	-1810	13030	-2379	-85	-3119	41.9	48.1	287	883
2023-05-20 4:26	2023-05-19 23:26	19.9	Light C - Tote	5.01	19.8	8968	-1639	13494	-2226	-266	-3313	34.9	55.1	274	1677
2023-05-20 4:26	2023-05-19 23:26	19.9	Light C - Tote	5.01	19.3	9365	-3632	12321	-1901	-484	-3589	41.3	48.7	290	1313
2023-05-20 4:26	2023-05-19 23:26	19.9	Light C - Tote	5.01	18.67	10350	-1743	13512	-1687	-431	-3762	40.5	49.5	305	1548
2023-05-20 4:26	2023-05-19 23:26	19.9	Light C - Tote	5.01	18.29	9371	-2493	12695	-1298	-65	-4026	39.4	50.6	315	793
20															

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-05-20 5:05	2023-05-20 0:05	22.2	Light D - Teardrop	5.01	19.02	1424	-2531	16926	715	281	-4345	6.1	83.9	334	554
2023-05-20 5:05	2023-05-20 0:05	21.9	Light D - Teardrop	5.01	19.05	3054	-2426	15717	535	275	-4351	12.7	77.3	337	483
2023-05-20 5:05	2023-05-20 0:05	21.9	Light D - Teardrop	5.01	19.16	1716	-4296	16436	601	283	-4361	7.2	82.8	319	776
2023-05-20 5:05	2023-05-20 0:05	21.9	Light D - Teardrop	5.01	18.49	4107	-2543	15721	87	209	-4359	16.6	73.4	329	597
2023-05-20 5:05	2023-05-20 0:05	21.9	Light D - Teardrop	5	18.36	4741	-2703	15907	30	243	-4348	18.6	71.4	331	410
2023-05-20 5:05	2023-05-20 0:05	21.9	Light D - Teardrop	5.01	18.51	4671	-2518	16019	115	337	-4344	18.3	71.7	338	794
2023-05-20 5:05	2023-05-20 0:05	21.9	Light D - Teardrop	5.01	18.38	4222	-3809	15807	42	210	-4345	16.7	73.3	318	1269
2023-05-20 5:05	2023-05-20 0:05	21.9	Light D - Teardrop	5.01	18.29	5240	-2385	15381	-96	-32	-4333	21	69	323	1059
2023-05-20 5:05	2023-05-20 0:05	21.9	Light D - Teardrop	5.01	18.43	4169	-2501	15755	152	57	-4359	16.8	73.2	326	287
2023-05-20 5:05	2023-05-20 0:05	21.9	Light D - Teardrop	5.01	18.43	3798	-2965	15750	156	122	-4361	15.4	74.6	322	350
2023-05-20 5:05	2023-05-20 0:05	21.9	Light D - Teardrop	5.01	18.5	2940	-3487	16463	227	203	-4357	11.7	78.3	319	1099
2023-05-20 5:05	2023-05-20 0:05	21.9	Light D - Teardrop	5.01	18.41	3829	-3361	15754	167	205	-4348	15.4	74.6	323	641
2023-05-20 5:05	2023-05-20 0:05	21.9	Light D - Teardrop	5.01	18.5	3421	-2885	16234	297	270	-4367	13.6	76.4	331	485
2023-05-20 5:05	2023-05-20 0:05	21.9	Light D - Teardrop	5.01	18.46	3412	-3166	16011	294	239	-4367	13.7	76.3	327	276
2023-05-20 5:05	2023-05-20 0:05	21.9	Light D - Teardrop	5.01	18.71	3391	-3046	16069	316	233	-4367	13.6	76.4	328	334
2023-05-20 5:05	2023-05-20 0:05	21.9	Light D - Teardrop	5.01	18.78	2983	-2716	16416	387	226	-4367	11.9	78.1	330	427
2023-05-20 5:05	2023-05-20 0:05	21.9	Light D - Teardrop	5.01	18.71	4054	-4187	15217	215	326	-4364	16.6	73.4	323	920
2023-05-20 5:05	2023-05-20 0:05	21.9	Light D - Teardrop	5.01	18.42	5949	-3328	13740	-153	776	-4243	25.7	64.3	347	614
2023-05-20 5:05	2023-05-20 0:05	21.9	Light D - Teardrop	5.01	18.29	8674	-2460	11432	-1070	677	-3944	40.2	49.8	346	2438
2023-05-20 5:06	2023-05-20 0:06	21.9	Light D - Teardrop	5.01	18.13	2861	3803	19275	289	-267	-4264	10.7	79.3	13	2482
2023-05-20 5:06	2023-05-20 0:06	21.9	Light D - Teardrop	5.01	17.11	4959	7904	12836	-856	-1191	-3718	19.9	70.1	53	3217
2023-05-20 5:06	2023-05-20 0:06	21.9	Light D - Teardrop	5.01	18.21	10903	5312	12926	-1217	-206	-3820	40.6	49.4	38	6732
2023-05-20 5:06	2023-05-20 0:06	21.9	Light D - Teardrop	5.01	18.47	12116	5984	8995	-1604	-1269	-3229	50.7	39.3	22	8782
2023-05-20 5:06	2023-05-20 0:06	21.9	Light D - Teardrop	5.01	18.36	11432	11606	5687	-1559	-2102	-2465	42.9	47.1	51	2194
2023-05-20 5:08	2023-05-20 0:08	20.3	Light D - Teardrop	5.01	18.2	7226	-987	15176	-871	-491	-4068	28.2	61.8	309	394
2023-05-20 5:08	2023-05-20 0:08	20.3	Light D - Teardrop	5.01	18.17	6308	-1760	15040	-657	-371	-4167	25.3	64.7	308	702
2023-05-20 5:08	2023-05-20 0:08	20.3	Light D - Teardrop	5.01	18.14	8527	-698	12577	-649	-144	-4182	37.4	52.6	338	2886
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	18.19	6926	-1111	13829	-449	40	-4234	29.5	60.5	338	1748
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	18.33	6892	-4937	15538	-302	409	-4233	25.6	64.4	321	1582
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	18.38	9119	599	12988	-422	715	-4128	38.2	51.8	20	976
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	18.2	7947	-2056	13870	-520	1003	-4001	32.7	57.3	10	1070
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	18.26	7449	-3402	14262	-693	1189	-3853	29.9	60.1	5	3348
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	18.57	7781	-2564	14802	-796	1263	-3757	30.3	59.7	21	770
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	19.07	6893	-4202	14856	-1017	1289	-3635	26.9	63.1	4	1076
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	19.44	7535	-2169	14467	-1210	1195	-3550	30.2	59.8	33	1423
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	19.51	7030	-5406	15124	-1395	1162	-3434	26.4	63.6	308	2589
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	19.78	6590	-3006	15191	-1640	1018	-3339	25.8	64.2	93	1334
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	20.13	6768	-2644	15357	-1805	810	-3321	26.2	63.8	199	666
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	20.19	8302	-1612	14446	-1987	360	-3315	32.8	57.2	288	1096
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	20.19	5708	-778	15141	-1990	156	-3350	23.1	66.9	212	1710
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	20.5	7916	-2271	14348	-1957	-36	-3433	31.6	58.4	274	857
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	20.41	5899	-4692	15392	-1794	-36	-3591	22.7	67.3	257	1585
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	19.92	8036	-2715	13858	-1643	-302	-3708	32.8	57.2	287	1002
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	19.91	6329	-4822	16373	-1208	-229	-3947	22.9	67.1	276	1218
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	18.4	9637	-2954	13257	-1063	-4	-4007	38.7	51.3	319	1143
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	18.23	8133	-4417	14136	-1143	219	-3964	31.9	58.1	303	461
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	18.16	9274	-2255	13540	-924	356	-4033	37.3	52.7	339	3616
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	18.19	9395	-3778	12123	-1097	330	-3952	40	50	321	1744
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	18.18	9681	-2473	13458	-1004	781	-3878	38.6	51.4	355	1105
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	18.27	9864	-4114	13029	-1131	1168	-3652	39.3	50.7	352	437
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	18.47	7914	-2388	14422	-1239	1121	-3593	31.5	58.5	23	655
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	18.63	9528	-4239	13570	-1363	1135	-3488	37.2	52.8	348	973
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	19.08	10087	-1167	12590	-1787	818	-3298	42	48	18	1057
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	19.47	10342	1097	13587	-2066	656	-3082	40.3	49.7	63	3919
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	19.79	11318	539	12409	-2293	484	-2908	45.6	44.4	46	1237
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	19.93	10908	-505	11831	-2475	263	-2732	46.1	43.9	328	1308
2023-05-20 5:08	2023-05-20 0:08	19.9	Light D - Teardrop	5.01	20.01	11575	-68	10920	-2651	285	-2484	50.1	39.9	9	2262
2023-05-20 5:08	2023-05-20 0:08	19.6	Light D - Teardrop	5.01	20.06	11687	-2565	10894	-2647	102	-2543	49.9	40.1	281	1195
2023-05-20 5:08	2023-05-20 0:08	19.6	Light D - Teardrop	5.01	20.11	13152	-1245	11656	-2643	-220	-2632	51.7	38.3	292	3283
2023-05-20 5:08	2023-05-20 0:08	19.6	Light D - Teardrop	5.01	19.97	10357	-3249	11934	-2579	-397	-2758	43.5	46.5	272	2132
2023-05-20 5:08	2023-05-20 0:08	19.6	Light D - Teardrop	5.01	19.83	10489	-87	10312	-2409	-662	-2959	49.1	40.9	302	779
2023-05-20 5:08	2023-05-20 0:08	19.6	Light D - Teardrop	5.01	19.61	9408	-1288	13696	-2084	-675	-3317	37.6	52.4	286	1010
2023-05-20 5:08	2023-05-20 0:08	19.6	Light D - Teardrop	5.01	18.87	9308	-1402	13957	-1711	-790	-3606	36.8	53.2	293	363
2023-05-20 5:08	2023-05-20 0:08	19.6	Light D - Teardrop	5.01	18.46	9379	-404	13972	-1403	-506	-3835	37	53	314	791
2023-05-20 5:08	2023-05-20 0:08	19.6	Light D - Teardrop	5.01	18.21	9159	-1030	12954	-1281	-322	-3898	38.5	51.5	320	2632
2023-05-20 5:08	2023-05-20 0:08	19.6	Light D - Teardrop	5.01	18.16	10759	-1052	12501	-1051	101	-3998	44	46	344	1023
2023-05-20 5:08	2023-05-20 0:08	19.6	Light D - Teardrop	5.01	18.24	9132	1236	12464	-1064	230	-3965	39.3	50.7	15	1013
2023-05-20 5:08	2023-05-20 0:08	19.6	Light D - Teardrop	5.01	18.18	7844	-2122	14893	-949	551	-3958	30.5	59.5	347	1059
2023-05-20 5:08	2023-05-20 0:08	19.6	Light D - Teardrop	5.01	18.31	7420	1499	13822	-963	221	-3979	30.9	59.1	22	1110
2023-05-20 5:08	2023-05-20 0:08	19.6	Light D - Teardrop	5.01	18.73	9403	132	13819	-1299	575	-3743	37.3	52.7	21	1379
2023-05-20 5:08	2023-05-20 0:08	19.6	Light D - Teardrop	5.01	19.05	11968	-791	13640	-1708	477	-3473	44.5	45.5	2	2320
2023-05-20 5:08	2023-05-20 0:08	19.6	Light D - Teardrop	5.01	1										

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-05-20 5:09	2023-05-20 0:09	19.3	Light D - Teardrop	5.01	18.26	11089	-1802	11339	-1215	69	-3906	47.6	42.4	334	2530
2023-05-20 5:09	2023-05-20 0:09	19.3	Light D - Teardrop	5.01	18.2	8249	-1546	12701	-758	691	-3997	36.1	53.9	1	728
2023-05-20 5:09	2023-05-20 0:09	19.3	Light D - Teardrop	5.01	18.18	8774	-2184	13230	-948	1057	-3753	36.5	53.5	11	609
2023-05-20 5:09	2023-05-20 0:09	19.3	Light D - Teardrop	5.01	18.49	9500	-3940	13263	-1197	1216	-3537	37.9	52.1	356	750
2023-05-20 5:09	2023-05-20 0:09	19.3	Light D - Teardrop	5.01	19.07	8909	16626	17930	-20203	3884	430	21.9	68.1	63	591
2023-05-20 5:09	2023-05-20 0:09	19.3	Light D - Teardrop	5.01	19.43	8255	-4306	14551	-1627	1080	-3242	31.6	58.4	331	833
2023-05-20 5:09	2023-05-20 0:09	19	Light D - Teardrop	5.01	19.84	8776	-1123	12790	-1820	887	-3214	37.7	52.3	36	1213
2023-05-20 5:09	2023-05-20 0:09	19	Light D - Teardrop	5.01	20.12	6143	-3396	14630	-1709	548	-3449	25	65	255	655
2023-05-20 5:09	2023-05-20 0:09	19	Light D - Teardrop	5.01	20.12	4569	-2157	16407	-1702	119	-3586	17.6	72.4	227	803
2023-05-20 5:09	2023-05-20 0:09	19	Light D - Teardrop	5.01	20.69	5788	-2108	16423	-1669	-193	-3646	21.7	68.3	253	1158
2023-05-20 5:09	2023-05-20 0:09	19	Light D - Teardrop	5.01	20.06	5911	-2607	16072	-1410	-566	-3809	22.4	67.6	270	1417
2023-05-20 5:09	2023-05-20 0:09	19	Light D - Teardrop	5.01	19.91	7140	-646	15619	-1328	-566	-3851	27.2	62.8	290	851
2023-05-20 5:09	2023-05-20 0:09	19	Light D - Teardrop	5.01	18.32	9016	-1064	13405	-1269	-478	-3889	37.1	52.9	313	1930
2023-05-20 5:09	2023-05-20 0:09	19	Light D - Teardrop	5.01	18.16	9886	85	13925	-1052	-205	-4004	38.5	51.5	340	1828
2023-05-20 5:09	2023-05-20 0:09	19	Light D - Teardrop	5.01	18.23	9995	-488	12149	-1014	77	-4004	42.8	47.2	348	1977
2023-05-20 5:09	2023-05-20 0:09	19	Light D - Teardrop	5.01	18.16	8909	-1286	13197	-913	352	-3990	37.2	52.8	349	1229
2023-05-20 5:09	2023-05-20 0:09	19	Light D - Teardrop	5.01	18.16	7295	-1093	14980	-871	749	-3879	28.7	61.3	16	1712
2023-05-20 5:09	2023-05-20 0:09	19	Light D - Teardrop	5.01	18.68	8745	-3601	13886	-1169	899	-3675	34.6	55.4	344	1793
2023-05-20 5:09	2023-05-20 0:09	19	Light D - Teardrop	5.01	19.24	8770	-269	12956	-1665	728	-3366	37.3	52.7	33	1033
2023-05-20 5:09	2023-05-20 0:09	19	Light D - Teardrop	5	19.44	12237	437	10800	-2448	615	-2529	51.9	38.1	54	464
2023-05-20 5:09	2023-05-20 0:09	19	Light D - Teardrop	5.01	19.82	10089	-1233	12359	-2542	73	-2647	42.5	47.5	262	735
2023-05-20 5:09	2023-05-20 0:09	19	Light D - Teardrop	5.01	20.03	9413	-316	11759	-2423	-222	-2911	42.1	47.9	283	1234
2023-05-20 5:09	2023-05-20 0:09	19	Light D - Teardrop	5.01	20.07	9030	-3372	14148	-2284	-463	-3092	35	55	268	1434
2023-05-20 5:09	2023-05-20 0:09	18.6	Light D - Teardrop	5.01	19.51	9491	-157	13721	-1831	-663	-3523	37.8	52.2	301	566
2023-05-20 5:09	2023-05-20 0:09	18.6	Light D - Teardrop	5.01	18.52	7958	1039	13102	-1454	-569	-3778	34.2	55.8	321	1564
2023-05-20 5:09	2023-05-20 0:09	18.6	Light D - Teardrop	5.01	18.17	8856	-2187	13369	-1279	-275	-3868	36.5	53.5	308	2830
2023-05-20 5:09	2023-05-20 0:09	18.6	Light D - Teardrop	5.01	19.17	13026	-3087	9552	-2541	-691	-2702	56.1	33.9	288	10356
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	19.33	14070	41	7921	-3315	136	-1709	63.9	26.1	291	352
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	19.38	13773	385	8742	-3345	-5	-1686	60.9	29.1	253	358
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	19.47	13684	644	8576	-3370	-78	-1646	61.1	28.9	254	514
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	19.52	13895	37	8796	-3416	-290	-1615	61	29	265	539
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	19.41	13585	266	8890	-3435	-534	-1582	60.1	29.9	267	969
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	19.44	13666	-413	8503	-3416	-730	-1632	61.5	28.5	273	1388
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	19.47	13428	584	8448	-3409	-901	-1629	61.1	28.9	274	537
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	19.46	13542	-79	8950	-3331	-1027	-1776	60	30	275	291
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	19.47	13457	-431	9286	-3261	-1099	-1942	58.8	31.2	276	1624
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	19.46	13237	230	8934	-3196	-1270	-2015	59.4	30.6	281	798
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	19.23	13490	186	8798	-3086	-1349	-2184	60.3	29.7	286	693
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	19.07	13373	63	8906	-2986	-1356	-2359	59.7	30.3	290	503
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	19.05	13257	-286	9610	-2836	-1321	-2594	57.5	32.5	291	924
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	19.03	13473	-772	9252	-2750	-1286	-2729	58.9	31.1	294	327
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	18.96	13101	267	9549	-2611	-1213	-2925	57.3	32.7	305	343
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	18.71	13161	-301	9184	-2404	-1055	-3184	58.6	31.4	312	482
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	18.55	13323	-235	8941	-2304	-826	-3330	59.6	30.4	322	708
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	18.5	13660	-364	8937	-2279	-626	-3386	60.2	29.8	327	714
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	18.45	13208	-774	8570	-2193	-245	-3472	60.5	29.5	333	509
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	18.54	13799	-306	8198	-2351	-151	-3324	62.7	27.3	342	577
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	18.63	14338	133	7263	-2540	-158	-3138	66.4	23.6	349	587
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	18.63	14709	1562	7236	-2530	95	-3106	66.2	23.8	24	2234
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	18.63	14032	-126	7425	-2600	201	-2994	65.5	24.5	358	817
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	18.66	14043	-206	7646	-2594	297	-2945	64.8	25.2	1	514
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.03	18.79	14198	-297	7480	-2662	417	-2821	65.6	24.4	5	382
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	18.85	14470	-126	7101	-2726	470	-2710	67.1	22.9	12	395
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	18.86	14101	337	7216	-2755	408	-2693	66.1	23.9	20	411
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	18.9	14115	-12	6759	-2819	570	-2494	67.7	22.3	24	594
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	18.98	14339	123	7294	-2862	566	-2441	66.3	23.7	30	348
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	19.14	14387	176	7507	-2895	574	-2374	65.7	24.3	35	792
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	19.19	14279	51	7291	-2952	559	-2278	66.2	23.8	34	491
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	19.16	14164	8	7282	-2986	551	-2204	66.1	23.9	35	747
2023-05-20 5:30	2023-05-20 0:30	21.9	Light B - Tuzyk	5.01	19.19	14154	243	7218	-3040	562	-2095	66.2	23.8	47	412
2023-05-20 5:30	2023-05-20 0:30	21.5	Light B - Tuzyk	5.01	19.19	14150	219	7211	-3072	608	-1987	66.2	23.8	55	1336
2023-05-20 5:30	2023-05-20 0:30	21.5	Light B - Tuzyk	5.01	19.17	14238	395	7503	-3144	469	-1925	65.4	24.6	57	827
2023-05-20 5:30	2023-05-20 0:30	21.5	Light B - Tuzyk	5.01	19.2	14215	333	7645	-3175	411	-1893	65	25	56	880
2023-05-20 5:30	2023-05-20 0:30	21.5	Light B - Tuzyk	5.01	19.29	14488	494	7232	-3253	365	-1706	66.6	23.4	65	299
2023-05-20 5:30	2023-05-20 0:30	21.5	Light B - Tuzyk	5.01	19.34	14214	672	7540	-3315	250	-1584	65.1	24.9	84	305
2023-05-20 5:30	2023-05-20 0:30	21.5	Light B - Tuzyk	5.01	19.53	14383	454	7529	-3370	159	-1477	65.5	24.5	137	614
2023-05-20 5:30	2023-05-20 0:30	21.5	Light B - Tuzyk	5.01	19.56	14160	-561	7397	-3401	72	-1407	65.8	24.2	265	1008
2023-05-20 5:30	2023-05-20 0:30	21.5	Light B - Tuzyk	5.01	19.51	14307	-317	7203	-3459	-103	-1268	66.6	23.4	265	905
2023-05-20 5:30	2023-05-20 0:30	21.5	Light B - Tuzyk	5.01	19.37	14434	124	7282	-3474	-300	-1283	66.5	23.5	269	689
2023-05-20 5:30	2023-05-20 0:30	21.5	Light B - Tuzyk	5.01	19.33	14171	479	7191	-3480	-438	-1315	66.2	23.8	272	470
2023-05-20 5:30	2023-05-20 0:30	21.5	Light B - Tuzyk	5.01	19.47	14576	117	7485	-3490	-575	-1330	66.1	23.9	273	425
2023-05-20 5:30	2023-05-20 0:30	21.5	Light B - Tuzyk	5.01	19.54	14229	842	7478	-3484	-804	-1332	65.3	24.7</		

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-05-20 5:31	2023-05-20 0:31	21.2	Light B - Tuzyk	5.01	19.11	14635	-185	6754	-3095	590	-1945	68.5	21.5	41	920
2023-05-20 5:31	2023-05-20 0:31	21.2	Light B - Tuzyk	5.01	19.25	14480	-920	6977	-3139	616	-1774	67.5	22.5	30	760
2023-05-20 5:31	2023-05-20 0:31	21.2	Light B - Tuzyk	5.01	19.3	14844	-112	6377	-3249	460	-1579	69.9	20.1	51	453
2023-05-20 5:31	2023-05-20 0:31	21.2	Light B - Tuzyk	5.01	19.18	14515	85	7050	-3282	375	-1583	67.3	22.7	63	316
2023-05-20 5:31	2023-05-20 0:31	21.2	Light B - Tuzyk	5.01	19.12	14382	206	6664	-3326	296	-1511	68.3	21.7	56	755
2023-05-20 5:31	2023-05-20 0:31	21.2	Light B - Tuzyk	5.01	19.15	14472	463	6215	-3352	258	-1433	69.8	20.2	61	749
2023-05-20 5:31	2023-05-20 0:31	21.2	Light B - Tuzyk	5.01	19.17	14558	-229	7144	-3381	171	-1417	67.1	22.9	274	866
2023-05-20 5:31	2023-05-20 0:31	21.2	Light B - Tuzyk	5.01	19.19	14593	175	6813	-3401	55	-1410	68.2	21.8	284	863
2023-05-20 5:31	2023-05-20 0:31	21.2	Light B - Tuzyk	5.01	19.26	14376	671	7126	-3456	-140	-1316	66.7	23.3	266	554
2023-05-20 5:31	2023-05-20 0:31	21.2	Light B - Tuzyk	5.01	19.28	14385	180	7430	-3474	-210	-1310	65.9	24.1	266	619
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	19.3	14548	-57	6604	-3509	-387	-1217	68.8	21.2	273	939
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	19.33	13705	489	7228	-3498	-496	-1283	65.4	24.6	270	536
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	19.38	14403	-57	7119	-3489	-619	-1331	67	23	275	756
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	19.39	14141	435	7131	-3490	-822	-1295	66.4	23.6	275	1201
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	19.37	14573	2	7578	-3468	-861	-1325	65.8	24.2	275	927
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	19.35	13998	467	7258	-3413	-1112	-1484	65.8	24.2	280	893
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	19.29	14482	283	6816	-3401	-1199	-1498	68	22	282	630
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	19.25	14163	263	6910	-3351	-1267	-1597	67.2	22.8	283	322
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	19.21	13996	221	7100	-3294	-1298	-1787	66.4	23.6	285	650
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	19.19	14265	-154	7549	-3136	-1351	-2094	65.4	24.6	289	841
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	19.18	14164	-297	8016	-3099	-1380	-2153	63.8	26.2	288	476
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	19.12	14205	486	7210	-3033	-1467	-2249	66.2	23.8	298	572
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	19.1	14311	337	7651	-2958	-1458	-2384	65.1	24.9	299	721
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	18.97	14038	521	7566	-2881	-1417	-2519	64.9	25.1	304	531
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	18.95	14284	631	6670	-2823	-1339	-2650	68	22	315	891
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	18.99	14781	950	7289	-2742	-1160	-2837	66.6	23.4	325	1233
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	18.98	13742	181	8293	-2580	-993	-3062	62.2	27.8	319	739
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	18.96	14169	442	7549	-2566	-908	-3086	65.1	24.9	328	553
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	18.83	14119	-303	7473	-2521	-524	-3187	65.5	24.5	330	667
2023-05-20 5:31	2023-05-20 0:31	20.9	Light B - Tuzyk	5.01	18.83	14329	34	7149	-2583	-327	-3124	66.8	23.2	341	453
2023-05-20 5:31	2023-05-20 0:31	20.6	Light B - Tuzyk	5.01	18.82	14863	158	7454	-2589	-263	-3107	66.6	23.4	345	383
2023-05-20 5:31	2023-05-20 0:31	20.6	Light B - Tuzyk	5.01	18.86	15328	609	4375	-2961	-191	-2617	76.6	13.4	5	628
2023-05-20 5:31	2023-05-20 0:31	20.6	Light B - Tuzyk	5.01	18.9	15019	-91	4505	-2941	152	-2547	76.3	13.7	358	623
2023-05-20 5:31	2023-05-20 0:31	20.6	Light B - Tuzyk	5.01	18.94	14965	-315	5857	-2869	202	-2630	71.8	18.2	353	871
2023-05-20 5:32	2023-05-20 0:32	20.6	Light B - Tuzyk	5.01	18.99	14639	477	6023	-2861	315	-2589	70.6	19.4	20	626
2023-05-20 5:32	2023-05-20 0:32	20.6	Light B - Tuzyk	5.01	19.02	14673	526	5803	-2912	366	-2489	71.3	18.7	26	318
2023-05-20 5:32	2023-05-20 0:32	20.6	Light B - Tuzyk	5.01	18.99	14785	563	5571	-2929	411	-2420	72.2	17.8	30	425
2023-05-20 5:32	2023-05-20 0:32	20.6	Light B - Tuzyk	5.01	19	15066	-145	5843	-2947	513	-2345	71.9	18.1	18	404
2023-05-20 5:32	2023-05-20 0:32	20.6	Light B - Tuzyk	5.01	18.96	14861	-207	6419	-2945	601	-2270	69.8	20.2	25	461
2023-05-20 5:32	2023-05-20 0:32	20.6	Light B - Tuzyk	5.01	18.93	14794	-604	6269	-2960	622	-2219	70.2	19.8	16	720
2023-05-20 5:32	2023-05-20 0:32	20.6	Light B - Tuzyk	5.01	18.92	14940	-25	6153	-3049	622	-2035	70.7	19.3	39	579
2023-05-20 5:32	2023-05-20 0:32	20.6	Light B - Tuzyk	5.01	18.99	14053	195	6823	-3075	594	-1997	67.3	22.7	51	1038
2023-05-20 5:32	2023-05-20 0:32	20.6	Light B - Tuzyk	5.01	19.01	14736	-416	6158	-3107	621	-1896	70.5	19.5	34	993
2023-05-20 5:32	2023-05-20 0:32	20.6	Light B - Tuzyk	5.01	19.06	14682	136	5934	-3167	552	-1809	71.1	18.9	49	439
2023-05-20 5:32	2023-05-20 0:32	20.6	Light B - Tuzyk	5.01	19.1	14715	-465	6259	-3186	526	-1741	70.2	19.8	31	648
2023-05-20 5:32	2023-05-20 0:32	20.6	Light B - Tuzyk	5.01	19.17	14803	361	5898	-3207	593	-1600	71.3	18.7	66	1261
2023-05-20 5:32	2023-05-20 0:32	20.6	Light B - Tuzyk	5.01	19.23	14892	-292	5759	-3289	451	-1504	72	18	39	562
2023-05-20 5:32	2023-05-20 0:32	20.6	Light B - Tuzyk	5.01	19.28	14775	584	5639	-3369	322	-1262	72	18	75	331
2023-05-20 5:32	2023-05-20 0:32	20.6	Light B - Tuzyk	5.01	19.32	15249	-386	5708	-3390	281	-1226	72.6	17.4	321	335
2023-05-20 5:32	2023-05-20 0:32	20.6	Light B - Tuzyk	5.01	19.4	14759	-78	6931	-3441	88	-1177	68.1	21.9	256	795
2023-05-20 5:32	2023-05-20 0:32	20.6	Light B - Tuzyk	5.01	19.39	14692	-55	6441	-3469	7	-1100	69.5	20.5	263	763
2023-05-20 5:32	2023-05-20 0:32	20.3	Light B - Tuzyk	5.01	19.42	14847	358	5755	-3499	-202	-1073	71.8	18.2	274	1169
2023-05-20 5:32	2023-05-20 0:32	20.3	Light B - Tuzyk	5.01	19.46	15396	182	6439	-3520	-270	-1027	70.3	19.7	270	1012
2023-05-20 5:32	2023-05-20 0:32	20.3	Light B - Tuzyk	5.01	19.46	15293	59	5374	-3534	-422	-984	73.6	16.4	276	981
2023-05-20 5:32	2023-05-20 0:32	20.3	Light B - Tuzyk	5.01	19.39	15093	193	5694	-3550	-744	-1036	72.3	17.7	277	642
2023-05-20 5:32	2023-05-20 0:32	20.3	Light B - Tuzyk	5.01	19.37	15002	312	6144	-3534	-896	-1074	70.8	19.2	277	834
2023-05-20 5:32	2023-05-20 0:32	20.3	Light B - Tuzyk	5.01	19.31	14390	-330	6323	-3505	-972	-1204	69.5	20.5	277	1560
2023-05-20 5:32	2023-05-20 0:32	20.3	Light B - Tuzyk	5.01	19.26	14838	-331	5913	-3483	-1099	-1199	71.4	18.6	279	169
2023-05-20 5:32	2023-05-20 0:32	20.3	Light B - Tuzyk	5.01	19.23	14407	265	6115	-3448	-1189	-1344	70.1	19.9	282	568
2023-05-20 5:32	2023-05-20 0:32	20.3	Light B - Tuzyk	5.01	19.23	14630	-464	7093	-3373	-1287	-1567	67.4	22.6	280	497
2023-05-20 5:32	2023-05-20 0:32	20.3	Light B - Tuzyk	5.01	19.23	15367	475	5424	-3287	-1500	-1680	73.4	16.6	293	2141
2023-05-20 5:32	2023-05-20 0:32	20.3	Light B - Tuzyk	5.01	19.21	14664	321	6439	-3196	-1523	-1901	69.4	20.6	292	554
2023-05-20 5:32	2023-05-20 0:32	20.3	Light B - Tuzyk	5.01	19.16	14788	-83	6288	-3143	-1426	-2088	70.1	19.9	294	657
2023-05-20 5:32	2023-05-20 0:32	20.3	Light B - Tuzyk	5.01	19.18	14779	-90	5925	-3086	-1319	-2259	71.3	18.7	300	1684
2023-05-20 5:32	2023-05-20 0:32	20.3	Light B - Tuzyk	5.01	19.23	14348	-30	6743	-3028	-1198	-2424	68.1	21.9	302	771
2023-05-20 5:32	2023-05-20 0:32	20.3	Light B - Tuzyk	5.01	19.19	14869	172	5885	-2965	-1169	-2543	71.5	18.5	313	552
2023-05-20 5:32	2023-05-20 0:32	20.3	Light B - Tuzyk	5.01	19.16	14837	56	5604	-2939	-1034	-2623	72.4	17.6	316	785
2023-05-20 5:32	2023-05-20 0:32	20.3	Light B - Tuzyk	5.01	19.13	14471	-191	6427	-2827	-942	-2808	69.3	20.7	316	430
2023-05-20 5:32	2023-05-20 0:32	19.9	Light B - Tuzyk	5.01	19.07	14555	-568	6936	-2679	-576	-3037	67.8	22.2	323	857
2023-05-20 5:32	2023-05-20 0:32	19.9	Light B - Tuzyk	5.01	19.08	14921	-1104	6229	-2695	-301	-3010	70.4	19.6	323	1159
2023-05-20 5:32	2023-05-20 0:32	19.9	Light B - Tuzyk	5.01	19.08	14659	-1017	6116	-2627	65	-3026	70.4	19.6	336	972
2023-05-20 5:32	2023-05-20 0:32	19.9	Light B - Tuzyk	5.01	19.06	14528	-669	6966	-2622	156	-2978	67.6</			

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	18.92	10581	-774	12301	-2207	776	-3056	44.1	45.9	36	854
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	19.16	10180	-1092	12028	-2329	706	-2959	43.6	46.4	32	729
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	19.27	10036	-798	12278	-2389	653	-2927	42.6	47.4	50	803
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	19.3	10032	-946	12700	-2429	600	-2899	41.6	48.4	57	1404
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	19.37	9979	-1040	12864	-2434	574	-2902	41.1	48.9	58	561
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	19.42	9912	-1095	12902	-2488	531	-2878	40.8	49.2	117	545
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	19.44	9946	-1638	13248	-2533	492	-2832	40	50	233	503
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	19.45	10002	-1248	12890	-2584	417	-2802	41	49	233	841
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	19.45	9982	-1353	13278	-2613	300	-2812	40.1	49.9	240	653
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	19.45	9915	-972	12353	-2679	211	-2778	42.1	47.9	249	628
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	19.45	9857	-885	12901	-2711	-9	-2816	40.7	49.3	251	694
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	19.45	9996	-543	12832	-2802	-59	-2731	41.2	48.8	244	666
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	19.45	10901	-1335	12373	-2959	-148	-2497	44.7	45.3	253	725
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	19.43	11862	-1224	11075	-3049	-302	-2367	50.4	39.6	267	368
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	19.4	11817	-1232	11223	-3002	-440	-2471	49.9	40.1	271	1515
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	19.36	11614	-1307	12054	-3006	-545	-2487	47.2	42.8	266	803
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	19.32	11848	-1121	10858	-3016	-713	-2478	50.9	39.1	274	588
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	19.21	12034	-793	10987	-3012	-835	-2453	51.1	38.9	275	1343
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	19.06	12153	-1325	11253	-2952	-800	-2584	50.5	39.5	277	1338
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	18.92	12502	-1336	9916	-2955	-871	-2574	55	35	284	990
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	18.67	12595	-919	10103	-2915	-922	-2609	54.7	35.3	286	593
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	18.54	13218	-1462	9440	-2897	-995	-2601	57.7	32.3	288	856
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	18.38	12624	-1184	10182	-2737	-899	-2856	54.5	35.5	292	291
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	18.28	12640	-1605	10324	-2629	-805	-2992	54	36	294	921
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	18.23	12958	-1476	9479	-2610	-826	-3016	57.1	32.9	299	505
2023-05-20 5:55	2023-05-20 5:55	19.9	Light A - Dixie	5.01	18.17	12878	-880	9298	-2510	-844	-3092	57.6	32.4	307	1091
2023-05-20 5:56	2023-05-20 5:56	19.9	Light A - Dixie	5.01	18.08	12689	-614	9817	-2395	-722	-3232	55.8	34.2	314	866
2023-05-20 5:56	2023-05-20 5:56	19.9	Light A - Dixie	5.01	17.97	13115	-1026	10308	-2272	-650	-3357	55.2	34.8	314	897
2023-05-20 5:56	2023-05-20 5:56	19.9	Light A - Dixie	5.01	17.94	12832	-1098	9960	-2262	-548	-3377	55.6	34.4	316	817
2023-05-20 5:56	2023-05-20 5:56	19.9	Light A - Dixie	5.01	17.89	12554	-1167	10409	-2216	-437	-3422	53.7	36.3	317	613
2023-05-20 5:56	2023-05-20 5:56	19.9	Light A - Dixie	5.01	17.81	12647	-1143	10258	-2177	-340	-3453	54.4	35.6	321	714
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5	17.74	12409	-1294	10357	-2090	-186	-3518	53.5	36.5	325	229
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5	17.62	12165	-1678	10710	-2001	-11	-3569	51.9	38.1	326	598
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5.01	17.54	12114	-2312	10683	-1893	147	-3624	51.6	38.4	325	653
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5.01	17.54	12068	-953	10987	-1898	203	-3588	51.1	38.9	344	768
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5.01	17.55	12207	-1532	10352	-1901	245	-3566	53	37	339	632
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5.01	17.56	12128	-893	11367	-1900	304	-3529	50.3	39.7	350	1058
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5	17.57	11424	-1180	11822	-1905	430	-3474	47.4	42.6	351	847
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5.01	17.66	11755	-1128	11094	-1946	577	-3388	50.1	39.9	359	299
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5	17.71	11810	-1099	11233	-1995	670	-3319	49.8	40.2	5	581
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5.01	17.8	11950	-1453	10737	-2050	771	-3216	51.4	38.6	4	484
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5.01	17.92	12073	-2205	9922	-2100	961	-3075	53.6	36.4	0	804
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5.01	18.09	11263	-1230	12168	-2091	906	-3099	46.1	43.9	26	331
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5	18.29	11452	-1251	11818	-2141	846	-3068	47.4	42.6	21	594
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5	18.59	10716	-722	12105	-2214	814	-3003	44.9	45.1	40	679
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5.01	18.83	11161	-730	11645	-2361	763	-2889	47.2	42.8	39	1209
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5.01	18.91	10741	-1202	12206	-2347	747	-2911	44.7	45.3	33	1092
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5.01	19.14	10699	-945	12374	-2484	646	-2803	44.2	45.8	53	540
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5.01	19.23	11031	-1576	11599	-2550	664	-2702	46.9	43.1	9	329
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5.01	19.3	11228	-1444	11965	-2676	508	-2608	46.5	43.5	289	160
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5.01	19.35	11131	-1713	11905	-2746	462	-2554	46.3	43.7	256	200
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5.01	19.4	11182	-1184	11896	-2885	179	-2475	46.6	43.4	249	816
2023-05-20 5:56	2023-05-20 5:56	19.6	Light A - Dixie	5.01	19.44	11840	-171	10250	-3090	-106	-2260	52.6	37.4	264	1346
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5	19.36	12919	-1658	9765	-3223	-218	-1998	56.2	33.8	267	480
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5.01	19.35	13709	365	9432	-3187	-524	-2166	58.8	31.2	285	1789
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5.01	19.26	12423	-834	10355	-3159	-620	-2219	53.6	36.4	271	304
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5	19.08	12146	-1650	11093	-3083	-737	-2349	50.9	39.1	271	1559
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5.01	18.92	12503	-1246	9940	-3043	-848	-2406	54.9	35.1	279	542
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5.01	18.61	12828	-1121	9784	-2989	-927	-2476	56.1	33.9	283	717
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5.01	18.38	12854	-716	9797	-2909	-981	-2592	56.2	33.8	288	731
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5.01	18.2	12353	-1067	10270	-2797	-1004	-2743	53.7	36.3	288	395
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5.01	18.14	12844	-317	8742	-2712	-954	-2878	59.3	30.7	305	1830
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5.01	18.16	12706	-1013	10284	-2517	-891	-3121	54.4	35.6	302	501
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5.01	18.2	12271	-765	10377	-2363	-809	-3282	53.3	36.7	309	485
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5.01	18.1	11670	-1426	11617	-2184	-658	-3463	48.4	41.6	304	1207
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5.01	17.85	11417	-1543	11231	-2021	-455	-3585	48.8	41.2	310	3045
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5.01	17.7	12016	-934	11470	-1986	-282	-3604	49.7	40.3	323	514
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5.01	17.55	12079	-692	10226	-1969	-173	-3588	53.3	36.7	333	631
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5.01	17.43	11116	-1535	11978	-1776	206	-3649	46.1	43.9	335	1062
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5.01	17.42	11100	-2482	11060	-1719	440	-3631	48.1	41.9	334	1001
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5.01	17.48	12209	-2159	11114	-1763	565	-3559	50.8	39.2	345	505
2023-05-20 5:56	2023-05-20 5:56	19.3	Light A - Dixie	5.01	17.55	11773	-1407	11056	-1878	681	-3441</				

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-05-20 5:57	2023-05-20 5:57	18.6	Light A - Dixie	5.01	18.02	14026	-1601	7942	-2625	-574	-3034	63.5	26.5	308	472
2023-05-20 5:57	2023-05-20 5:57	18.6	Light A - Dixie	5.01	17.87	14230	-1516	7462	-2548	-384	-3126	65.4	24.6	317	546
2023-05-20 5:57	2023-05-20 5:57	18.6	Light A - Dixie	5.01	17.75	13583	-1266	8512	-2430	-127	-3210	61.2	28.8	327	1036
2023-05-20 5:57	2023-05-20 5:57	18.6	Light A - Dixie	5.01	17.71	13770	-1431	8447	-2419	-96	-3220	61.7	28.3	326	532
2023-05-20 5:57	2023-05-20 5:57	18.6	Light A - Dixie	5.01	17.69	14077	-811	7161	-2384	-26	-3206	66.3	23.7	339	578
2023-05-20 5:57	2023-05-20 5:57	18.6	Light A - Dixie	5.01	17.69	13805	-202	8412	-2247	252	-3261	62	28	359	1365
2023-05-20 5:57	2023-05-20 5:57	18.6	Light A - Dixie	5.01	17.74	13461	-2406	8720	-2231	468	-3203	59.8	30.2	333	395
2023-05-20 5:57	2023-05-20 5:57	18.6	Light A - Dixie	5.01	17.76	12619	-2185	9288	-2200	743	-3127	56.6	33.4	347	2002
2023-05-20 5:57	2023-05-20 5:57	18.6	Light A - Dixie	5.01	17.8	13071	-3216	9323	-2189	987	-2966	56.7	33.3	343	990
2023-05-20 5:57	2023-05-20 5:57	18.6	Light A - Dixie	5.01	17.86	12676	-1880	9265	-2336	1022	-2755	57	33	13	752
2023-05-20 5:57	2023-05-20 5:57	18.6	Light A - Dixie	5.01	18	13144	-1612	9123	-2395	1006	-2678	58.5	31.5	18	473
2023-05-20 5:57	2023-05-20 5:57	18.3	Light A - Dixie	5.01	18.38	13290	-1473	10180	-2648	789	-2460	55.8	34.2	23	514
2023-05-20 5:57	2023-05-20 5:57	18.3	Light A - Dixie	5.01	18.56	13073	-2331	9109	-2703	919	-2238	58	32	10	1199
2023-05-20 5:57	2023-05-20 5:57	18.3	Light A - Dixie	5.01	18.66	13279	-3290	8066	-2676	1063	-2147	60.5	29.5	345	2812
2023-05-20 5:57	2023-05-20 5:57	18.3	Light A - Dixie	5.01	18.84	13456	-1556	9010	-2833	790	-2143	59.4	30.6	29	999
2023-05-20 5:57	2023-05-20 5:57	18.3	Light A - Dixie	5.01	18.92	12541	-1684	10163	-2943	587	-2128	54.2	35.8	276	535
2023-05-20 5:57	2023-05-20 5:57	18.3	Light A - Dixie	5.01	19.14	12444	-1417	10513	-2958	500	-2172	53.1	36.9	247	588
2023-05-20 5:57	2023-05-20 5:57	18.3	Light A - Dixie	5.01	19.18	12520	-2092	9994	-2997	522	-2044	54.5	35.5	256	665
2023-05-20 5:57	2023-05-20 5:57	18.3	Light A - Dixie	5.01	19.18	12993	-2682	9071	-3089	420	-1889	57.7	32.3	265	746
2023-05-20 5:57	2023-05-20 5:57	18.3	Light A - Dixie	5.01	19.23	12516	-2605	10273	-3082	312	-2007	53.4	36.6	255	1067
2023-05-20 5:57	2023-05-20 5:57	18.3	Light A - Dixie	5.01	19.3	12495	-2628	9717	-3101	176	-2076	54.9	35.1	265	457
2023-05-20 5:57	2023-05-20 5:57	18.3	Light A - Dixie	5.01	19.33	12324	-1658	10652	-3107	-89	-2197	52.4	37.6	264	606
2023-05-20 5:57	2023-05-20 5:57	18.3	Light A - Dixie	5.01	19.31	12150	-1490	10620	-3118	-258	-2259	52.2	37.8	267	366
2023-05-20 5:57	2023-05-20 5:57	18.3	Light A - Dixie	5.01	19.14	12325	944	10675	-3145	-702	-2239	52.3	37.7	270	2452
2023-05-20 5:57	2023-05-20 5:57	18.3	Light A - Dixie	5.01	18.89	12326	432	10841	-3263	-1022	-1903	52	38	265	3654
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13797	-3557	-7508	3540	1266	86	-59.3	149.3	277	717
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13991	-3222	-7362	3561	1147	84	-60.4	150.4	277	299
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13588	-3066	-6547	3600	977	28	-62.2	152.2	277	529
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13998	-3973	-7414	3601	787	80	-59.3	149.3	284	420
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13843	-3340	-7912	3587	640	169	-58.5	148.5	293	571
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13707	-3314	-7138	3587	497	187	-60.4	150.4	311	558
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13755	-2462	-6900	3541	289	302	-62.1	152.1	41	1196
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13478	-3968	-7614	3473	160	506	-57.8	147.8	65	482
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13765	-3559	-7559	3415	109	650	-59.1	149.1	68	150
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13783	-3220	-8145	3322	4	827	-57.9	147.9	70	321
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13699	-2854	-7738	3251	-64	964	-59.2	149.2	74	254
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-14037	-2802	-7788	3213	-75	1054	-59.8	149.8	75	927
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13636	-3849	-7180	3142	53	1204	-59.4	149.4	78	789
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13772	-3502	-7330	3073	34	1326	-59.8	149.8	80	423
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13748	-3837	-7429	2947	178	1537	-59	149	83	657
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13852	-3686	-7253	2884	256	1620	-59.9	149.9	87	403
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13674	-2892	-7433	2852	267	1665	-60	150	89	524
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13482	-3361	-7090	2805	418	1729	-60.1	150.1	93	990
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13495	-3777	-7118	2766	715	1744	-59.4	149.4	98	532
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13796	-3129	-6980	2767	723	1744	-61.2	151.2	114	2912
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13918	-1655	-8145	2639	760	1897	-59.4	149.4	219	737
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.57	-13298	-2238	-8319	2577	1005	1891	-57.3	147.3	238	595
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.66	-13107	-2075	-8805	2622	1192	1801	-55.7	145.7	261	660
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.66	-13733	-3033	-9197	2658	1386	1671	-55.2	145.2	265	490
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.66	-13072	-3058	-8390	2712	1524	1548	-56	146	266	745
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.66	-13349	-2541	-8388	2807	1527	1429	-57	147	269	150
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.66	-13329	-1631	-8702	2910	1523	1310	-56.7	146.7	273	974
2023-06-20 5:29	2023-06-20 5:29	23.8	Light C - Tote	5.01	23.66	-13404	-2237	-8490	2975	1578	1172	-57.1	147.1	275	556
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.66	-13409	16387	18188	10381	4986	460	-30.6	120.6	108	399
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.66	-13454	-3274	-8587	3109	1707	862	-56	146	278	581
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.66	-13133	-3084	-8786	3168	1648	798	-55	145	280	490
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.66	-13326	-2446	-8533	3256	1546	689	-56.6	146.6	279	242
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.66	-13217	-2278	-8024	3340	1425	588	-58	148	280	430
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.66	-13280	-4135	-8570	3396	1462	418	-54.8	144.8	283	594
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.66	-13042	-3692	-8671	3453	1289	360	-54.5	144.5	285	646
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.66	-13362	-2036	-8597	3500	1001	386	-56.8	146.8	286	597
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.66	-13164	-2123	-7900	3516	770	412	-58.4	148.4	296	522
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.66	-13349	-2148	-8753	3529	725	383	-56.3	146.3	298	302
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.66	-13321	-2782	-8885	3530	630	371	-55.4	145.4	311	470
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.66	-13421	-3285	864	10381	4986	460	-77.2	167.2	151	354
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.66	-13188	-3597	-8267	3519	451	452	-56	146	5	540
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.66	-13333	-2663	-8533	3456	225	569	-56.5	146.5	46	531
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.66	-13439	-2137	-8472	3403	27	652	-57.3	147.3	63	605
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.66	-13296	-2483	-8365	3310	61	868	-57	147	62	949
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.66	-13093	-3669	-8582	3286	81	945	-54.9	144.9	64	468
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.65	-12868	-3745	-8968	3195	72	1116	-53.3	143.3	64	381
2023-06-20 5:29	2023-06-20 5:29	24.1	Light C - Tote	5.01	23.65	-13371	-2903	-9045	3114	-36	1222	-55	14		

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-06-20 5:54	2023-06-20 5:54	25.4	Light D - Teardrop	5.01	23.75	-16708	-7552	2944	3153	1073	-2456	-64.8	154.8	260	4630
2023-06-20 5:54	2023-06-20 5:54	25.4	Light D - Teardrop	5.01	23.75	-14312	-1112	-2232	3705	752	-934	-79.7	169.7	277	5853
2023-06-20 5:54	2023-06-20 5:54	25.4	Light D - Teardrop	5.01	23.75	-15438	-352	-3631	3696	350	-989	-76.3	166.3	299	933
2023-06-20 5:54	2023-06-20 5:54	25.4	Light D - Teardrop	5.01	23.75	-14817	-1172	-3887	3722	504	-729	-74.4	164.4	265	1319
2023-06-20 5:54	2023-06-20 5:54	25.4	Light D - Teardrop	5.01	23.75	-17182	-530	-5155	3717	384	-684	-72	162	241	2363
2023-06-20 5:54	2023-06-20 5:54	25.4	Light D - Teardrop	5.01	23.75	-15129	-2032	-2169	3668	586	-1334	-78.8	168.8	280	672
2023-06-20 5:54	2023-06-20 5:54	25.4	Light D - Teardrop	5.01	23.75	-15965	-923	-1378	3678	553	-1245	-83.7	173.7	289	1482
2023-06-20 5:54	2023-06-20 5:54	25.4	Light D - Teardrop	5.01	23.75	-15982	-1354	-1797	3624	-53	-1197	-81.8	171.8	312	742
2023-06-20 5:54	2023-06-20 5:54	25.1	Light D - Teardrop	5.01	23.75	-15993	-1435	-889	3588	-301	-1015	-84	174	308	463
2023-06-20 5:54	2023-06-20 5:54	25.1	Light D - Teardrop	5.01	23.75	-16034	-1109	-2439	3563	-437	-739	-80.2	170.2	74	408
2023-06-20 5:54	2023-06-20 5:54	25.1	Light D - Teardrop	5.01	23.75	-15984	-739	-1847	3516	-588	-508	-82.5	172.5	81	283
2023-06-20 5:54	2023-06-20 5:54	25.1	Light D - Teardrop	5.01	23.75	-15782	-912	-2550	3440	-739	-192	-79.9	169.9	86	1039
2023-06-20 5:54	2023-06-20 5:54	25.4	Light D - Teardrop	5.01	23.75	-15801	-797	-2092	3449	-543	134	-81.5	171.5	89	1275
2023-06-20 5:54	2023-06-20 5:54	25.4	Light D - Teardrop	5.01	23.75	-15875	-245	-2624	3406	-445	423	-80.1	170.1	92	680
2023-06-20 5:54	2023-06-20 5:54	25.4	Light D - Teardrop	5.01	23.75	-15875	17	-2076	3381	-254	626	-81.9	171.9	98	678
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.75	-16321	-790	-2734	3388	52	771	-79.6	169.6	95	972
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15733	-489	-2740	3374	274	855	-79.5	169.5	116	192
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-16156	-503	-4739	3353	666	924	-73.3	163.3	271	393
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15734	211	-2373	3492	993	502	-80.8	170.8	267	314
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15756	275	-2772	3506	1129	410	-79.4	169.4	269	472
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15740	-282	-2937	3534	1231	244	-78.9	168.9	269	477
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15874	-824	-2503	3574	1328	-2	-80.2	170.2	268	410
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15703	-773	-2397	3617	1292	-210	-80.5	170.5	270	714
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-16106	-852	-2163	3651	1281	-428	-81.4	171.4	271	1161
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15945	-1323	-2025	3663	1272	-739	-81.1	171.1	272	737
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15486	-1184	-3862	3685	1090	-634	-75.2	165.2	271	668
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15484	-186	-3022	3714	927	-750	-78.5	168.5	276	1168
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15364	-1020	-3007	3718	731	-968	-78	168	275	885
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15656	-1050	-3500	3710	442	-828	-76.6	166.6	272	1462
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15365	-1438	-3972	3707	340	-785	-74.5	164.5	264	707
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15512	-530	-3630	3616	-224	-474	-76.4	166.4	92	584
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15496	-768	-4615	3571	-313	-308	-73	163	94	1021
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15687	-1021	-4709	3530	-441	-118	-72.8	162.8	92	312
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15279	-1071	-4327	3467	-535	46	-73.5	163.5	90	388
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15466	-1046	-4512	3380	-551	368	-73.2	163.2	90	537
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15166	-1134	-4298	3340	-466	570	-73.5	163.5	90	719
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15097	-834	-4892	3245	-389	862	-71.6	161.6	90	543
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15184	-1256	-4519	3219	-341	972	-72.7	162.7	92	831
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.66	-15491	-959	-3837	3189	-125	1111	-75.4	165.4	99	719
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-15116	-729	-4433	3195	46	1156	-73.2	163.2	99	221
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	2730	16390	18188	-24519	4992	468	7.3	82.7	52	20156
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-15168	-1796	-3587	3231	635	1162	-75.1	165.1	130	631
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-15249	-1612	-3891	3223	854	1155	-74.4	164.4	233	680
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-15446	-1275	-4255	3244	1031	1050	-73.8	163.8	258	438
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-15537	-656	-4891	3273	1237	933	-72.2	162.2	266	965
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-15316	-1617	-3810	3342	1368	704	-74.7	164.7	263	212
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-15370	-1658	-4123	3446	1500	314	-73.8	163.8	267	189
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-15543	-1606	-4902	3542	1458	4	-71.6	161.6	270	598
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-15421	-1564	-3858	3605	1373	-260	-74.7	164.7	270	687
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-14839	-747	-4471	3641	1198	-272	-72.8	162.8	270	605
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-14941	-907	-6130	3645	1070	-146	-67.5	157.5	269	635
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-14631	-914	-5488	3693	858	-326	-69.1	159.1	266	537
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-14986	-1484	-5705	3703	610	-348	-68.5	158.5	260	833
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-15037	-969	-5144	3695	375	-340	-70.7	160.7	239	327
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-14666	-1590	-6248	3670	174	-156	-66.3	156.3	127	569
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-14808	-1549	-5936	3615	-7	-99	-67.5	157.5	100	357
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-15349	-1025	-5740	3540	-243	76	-69.2	159.2	90	585
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-14297	-1298	18202	-24519	4992	468	-41.3	131.3	86	795
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-14731	-1517	-6966	3313	-414	683	-64.3	154.3	84	667
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-14802	-1378	-6196	3262	-460	781	-66.8	156.8	86	472
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-14658	-1662	-5911	3171	-424	1011	-67.3	157.3	88	243
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-14822	-1156	-6276	3086	-390	1188	-66.7	156.7	90	758
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.69	-15148	-1197	-6313	2995	-334	1350	-67.1	157.1	94	246
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.71	-14550	-938	-6272	2943	-146	1513	-66.5	156.5	99	134
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.71	-14771	-1652	-6057	2931	84	1593	-67	157	103	676
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.71	-14716	-1653	-6255	2920	436	1624	-66.3	156.3	123	749
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.71	-14498	-1364	-6417	2903	738	1640	-65.7	155.7	225	260
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.71	-14472	-761	-6411	2948	955	1524	-66	156	256	448
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.71	-14664	-1018	-5976	3177	1246	1095	-67.5	157.5	268	629
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.71	-14423	-748	-5876	3328	1388	708	-67.6	157.6	271	387
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01	23.71	-14947	-881	-6071	3457	1274	456	-67.7	157.7	273	325
2023-06-20 5:55	2023-06-20 5:55	25.4	Light D - Teardrop	5.01											

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-06-20 5:56	2023-06-20 0:56	25.4	Light D - Teardrop	5.01	23.72	-13800	-110	-7963	3587	209	213	-60.2	150.2	44	399
2023-06-20 5:56	2023-06-20 0:56	25.4	Light D - Teardrop	5.01	23.72	-13681	-1007	-8828	3494	-9	436	-57.3	147.3	65	352
2023-06-20 5:56	2023-06-20 0:56	25.4	Light D - Teardrop	5.01	23.72	-13916	-981	-8223	3379	-270	617	-59.5	149.5	76	509
2023-06-20 5:56	2023-06-20 0:56	25.4	Light D - Teardrop	5.01	23.72	-13823	-713	-8493	3263	-462	787	-58.6	148.6	78	476
2023-06-20 5:56	2023-06-20 0:56	25.4	Light D - Teardrop	5.01	23.72	-13267	-703	-8984	3121	-540	1063	-56.1	146.1	78	817
2023-06-20 5:56	2023-06-20 0:56	25.4	Light D - Teardrop	5.01	23.72	-13506	-906	-8724	2903	-607	1374	-57.3	147.3	85	358
2023-06-20 5:56	2023-06-20 0:56	25.4	Light D - Teardrop	5.01	23.72	-13595	-1218	-8529	2764	-566	1606	-57.9	147.9	91	353
2023-06-20 5:56	2023-06-20 0:56	25.4	Light D - Teardrop	5.01	23.72	-13552	-1049	-8336	2668	-314	1817	-58.4	148.4	98	1034
2023-06-20 5:56	2023-06-20 0:56	25.4	Light D - Teardrop	5.01	23.72	-13787	-715	-8244	2542	-110	2006	-59.2	149.2	116	344
2023-06-20 5:56	2023-06-20 0:56	25.4	Light D - Teardrop	5.01	23.72	-13600	-910	-8585	2507	214	2074	-57.9	147.9	135	335
2023-06-20 5:56	2023-06-20 0:56	25.4	Light D - Teardrop	5.01	23.72	-12936	-464	-9156	2537	628	2045	-55	145	246	276
2023-06-20 5:56	2023-06-20 0:56	25.4	Light D - Teardrop	5.01	23.72	-13024	-1533	-9292	2592	926	1937	-54.5	144.5	260	461
2023-06-20 5:56	2023-06-20 0:56	25.4	Light D - Teardrop	5.01	23.72	-13507	-962	-9718	2769	1104	1694	-54.5	144.5	275	519
2023-06-20 5:56	2023-06-20 0:56	25.4	Light D - Teardrop	5.01	23.72	-13226	-448	-9055	3012	1251	1334	-55.9	145.9	279	463
2023-06-20 5:56	2023-06-20 0:56	25.4	Light D - Teardrop	5.01	23.8	-14912	-4565	-32	3455	474	-1758	-74	164	270	3028
2023-06-20 5:56	2023-06-20 0:56	25.4	Light D - Teardrop	5.01	23.8	-14038	-5822	-5975	3519	857	16	-59.8	149.8	288	1210
2023-06-20 6:15	2023-06-20 1:15	25.4	Light B - Tuzyk	5.01	24.46	-13754	-2397	-7915	3163	1543	928	-59.2	149.2	276	321
2023-06-20 6:15	2023-06-20 1:15	25.4	Light B - Tuzyk	5.01	24.46	-13779	-3165	-7546	3208	1670	721	-59.6	149.6	276	547
2023-06-20 6:15	2023-06-20 1:15	25.4	Light B - Tuzyk	5.01	24.46	-13348	-2832	-7474	3267	1660	605	-59.3	149.3	276	427
2023-06-20 6:15	2023-06-20 1:15	25.4	Light B - Tuzyk	5.01	24.46	-13676	-2500	-7937	3323	1518	580	-58.9	148.9	278	331
2023-06-20 6:15	2023-06-20 1:15	25.4	Light B - Tuzyk	5.01	24.46	-13528	-2049	-7839	3366	1389	556	-59.3	149.3	278	164
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-13367	-2793	-8924	3351	1467	564	-55.4	145.4	281	451
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-13547	-2260	-8173	-621	4892	470	-58.2	148.2	250	957
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-13702	-1969	-7968	3509	1164	301	-59.3	149.3	279	624
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-13507	-3146	-8033	3503	1180	327	-57.7	147.7	283	413
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-13326	-3674	-8088	3506	1125	325	-56.6	146.6	286	538
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-13574	-2925	-8728	3537	979	307	-56.2	146.2	287	381
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-13692	-3054	-8072	3556	862	258	-58.1	148.1	288	609
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-13714	-3363	-8021	3562	766	301	-57.9	147.9	297	707
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-13434	-3030	-7574	3565	583	284	-59	149	309	414
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-13473	-2763	-8339	3519	415	433	-57.2	147.2	2	543
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-13051	-3474	-8956	3468	434	584	-54	144	13	242
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-12973	-3095	-8264	3438	278	651	-56.1	146.1	43	434
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-13098	-3147	-8702	3383	139	738	-55.1	145.1	57	572
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-13186	-2670	-8489	3369	76	793	-56.3	146.3	61	390
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-13334	-1958	-8000	3300	-63	843	-58.5	148.5	68	572
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-13479	-2815	-8871	3239	-133	974	-55.7	145.7	71	268
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-13089	-2917	-8982	3160	-114	1136	-54.5	144.5	71	463
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-12992	-3256	-8290	3055	-82	1332	-55.9	145.9	76	571
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-12967	-3199	-9109	2930	-110	1505	-53.7	143.7	77	460
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-13046	-2328	-8997	2836	-140	1629	-54.9	144.9	81	476
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-13012	-2568	-9748	2783	-142	1704	-52.6	142.6	79	599
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-12657	-2602	-9548	2621	-125	1883	-52.3	142.3	86	507
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-12564	-2387	-10003	2521	-34	2009	-51.1	141.1	88	533
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-12413	-3441	-10602	2442	207	2109	-48.5	138.5	86	417
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-12365	-3651	-9514	2414	377	2139	-50.9	140.9	96	500
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-12334	-2253	-10243	2286	414	2226	-50	140	114	354
2023-06-20 6:15	2023-06-20 1:15	25.7	Light B - Tuzyk	5.01	24.46	-12169	-2707	-10328	2219	420	2278	-49.1	139.1	113	338
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.46	-12285	-2174	-10015	2201	529	2292	-50.5	140.5	142	361
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.46	-12048	-2552	-10108	2175	719	2285	-49.5	139.5	161	636
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.46	-12385	-3719	-10313	2240	1092	2152	-48.9	138.9	211	273
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.46	-12324	-2494	-9950	2280	1216	2096	-50.6	140.6	247	189
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.46	-12048	-3476	-10009	2298	1260	2071	-49.1	139.1	248	342
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.46	-12177	-2438	-9945	2366	1445	1942	-50.3	140.3	260	692
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.46	-11859	-3203	-9857	2418	1483	1879	-49.2	139.2	266	579
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.46	-12048	-3371	-9961	2536	1603	1712	-49.3	139.3	273	1180
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.46	-12123	-3818	-9881	2607	1803	1521	-49.3	139.3	274	271
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.46	-12158	-3171	-10208	2650	1718	1529	-49.1	139.1	276	816
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5	24.46	-12007	-2729	-11023	2670	1622	1544	-47.1	137.1	281	289
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.46	-11911	-2580	-10362	2788	1650	1403	-48.5	138.5	281	132
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.68	-11642	-2529	-10218	2846	1643	1344	-48.3	138.3	283	1023
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.68	-12216	-2810	-10418	2990	1637	1146	-49	139	285	433
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.68	-12085	-3025	-10500	3067	1546	1062	-48.3	138.3	289	987
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.68	-12098	-2474	-10482	3131	1426	1025	-48.7	138.7	290	341
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.68	-12194	-2302	-10068	3248	1273	903	-50.1	140.1	293	285
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.68	-12260	-2384	-9744	3281	1229	850	-51.1	141.1	293	285
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.68	-11920	-3334	-9935	3304	1156	830	-49.1	139.1	303	547
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.68	-11959	-3808	-11171	3309	1118	838	-45.9	135.9	309	650
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.68	-12386	-3697	-10195	3387	973	745	-49.2	139.2	312	731
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.68	-12838	-2562	-9891	3414	682	709	-51.9	141.9	325	628
2023-06-20 6:16	2023-06-20 1:16	25.7	Light B - Tuzyk	5.01	24.68	-12538	-3500	-10348	3384	692	795	-49.4	139.4	338	489
2023-06-2															

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-06-20 6:44	2023-06-20 1:44	25.4	Light A - Dixie	5.01	23.6	-13762	-4377	-7159	3375	1598	402	-59	149	279	513
2023-06-20 6:44	2023-06-20 1:44	25.4	Light A - Dixie	5.01	23.6	-13646	-4544	-7076	3398	1535	411	-58.7	148.7	281	248
2023-06-20 6:44	2023-06-20 1:44	25.4	Light A - Dixie	5.01	23.6	-13561	-4353	-6791	3465	1442	294	-59.6	149.6	280	813
2023-06-20 6:44	2023-06-20 1:44	25.4	Light A - Dixie	5.01	23.6	-13857	-4668	-6861	3496	1378	204	-59.5	149.5	281	266
2023-06-20 6:44	2023-06-20 1:44	25.4	Light A - Dixie	5.01	23.6	-13490	-5099	-7129	3502	1313	265	-57.4	147.4	286	305
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.6	-13645	-4302	-7357	3567	1062	251	-58.4	148.4	287	393
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.6	-13812	-4594	-6249	3583	971	213	-61	151	289	239
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.6	-13984	-4008	-7421	3584	818	300	-59.2	149.2	297	469
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.6	-13428	-4483	-7124	3597	679	333	-58.3	148.3	317	439
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13731	-4360	-6722	3586	576	386	-60.1	150.1	344	337
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13468	-5095	-7014	3534	569	554	-57.6	147.6	18	569
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13695	-4436	-7101	3547	426	559	-58.9	148.9	39	386
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13971	-4476	-7240	3505	315	678	-59	149	57	246
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13551	-4856	-7507	3460	315	797	-57	147	59	566
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13893	-4875	-7120	3452	273	862	-58.6	148.6	66	200
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13491	-5467	-7211	3394	272	972	-56.6	146.6	68	409
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13637	-4805	-6425	3347	189	1073	-59.9	149.9	76	679
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13440	-5017	-7003	3270	195	1246	-57.7	147.7	75	425
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13979	-3891	-6588	3243	200	1300	-61.6	151.6	79	412
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-14145	-4416	-6862	3197	164	1375	-60.4	150.4	81	160
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-14153	-3991	-6013	3178	66	1391	-63.3	153.3	86	393
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-14115	-4258	-6945	3077	170	1584	-60.4	150.4	86	311
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13569	-4792	-6672	2977	261	1752	-59.2	149.2	89	1100
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13880	-4453	-7053	2888	341	1875	-59.4	149.4	93	574
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13596	-4936	-6747	2834	581	1919	-58.8	148.8	95	360
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13365	-5441	-7436	2713	780	2022	-55.9	145.9	97	569
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13434	-5190	-7526	2688	867	2019	-56.2	146.2	102	677
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13986	-3924	-6549	2703	876	2014	-61.7	151.7	125	222
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13276	-4920	-7495	2661	1133	1973	-56.4	146.4	120	205
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-12340	-445	-9945	2591	776	2149	-51.5	141.5	265	1337
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13095	-3310	-7803	2622	1173	1998	-57.4	147.4	205	583
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13561	-3057	-8370	2643	1306	1913	-57	147	241	597
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13544	-3496	-8421	2651	1393	1881	-56.4	146.4	243	346
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-13134	-3786	-8604	2606	1491	1854	-54.8	144.8	249	565
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-12907	-3698	-9251	2617	1573	1814	-52.7	142.7	261	363
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-12936	-3510	-8854	2643	1624	1752	-54	144	260	760
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-12728	-4322	-8775	2641	1717	1683	-52.9	142.9	263	422
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-12240	-4263	-9716	2641	1794	1623	-49.5	139.5	273	241
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	23.66	-12508	-4083	-9473	2722	1827	1496	-50.9	140.9	273	371
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-12228	-4604	-9495	2698	1913	1453	-49.6	139.6	275	296
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-12582	-4248	-9263	2825	1858	1319	-51.4	141.4	276	374
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-12443	-4566	-9773	2809	1863	1342	-49.5	139.5	279	596
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-12429	-4544	-9293	2961	1824	1151	-50.7	140.7	282	222
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-12295	-4434	-9574	3023	1719	1152	-49.8	139.8	287	383
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-12012	-5049	-9554	3099	1671	1049	-48.5	138.5	294	824
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-12002	-4692	-9489	3167	1626	937	-49	139	292	933
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-12262	-4313	-9745	3233	1494	924	-49.4	139.4	295	435
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-12538	-4353	-8994	3334	1356	790	-51.8	141.8	296	366
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-12947	-4802	-9813	3371	1224	794	-50.3	140.3	305	836
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-12503	-5365	-8677	3454	1095	654	-51.2	141.2	313	351
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-12705	-5019	-8789	3452	948	726	-51.9	141.9	325	534
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-12326	-5434	-8955	3426	868	843	-50.1	140.1	347	404
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-12818	-5365	-8207	3452	743	821	-53	143	6	744
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-12748	-5112	-9067	3353	442	1088	-51.2	141.2	45	313
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-12733	-5576	-8557	3314	421	1189	-51.7	141.7	55	224
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-12863	-6293	-8749	3202	430	1386	-50.1	140.1	61	452
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-13806	-4592	-6174	3243	273	1300	-61.2	151.2	79	263
2023-06-20 6:45	2023-06-20 1:45	25.4	Light A - Dixie	5.01	24.01	-13274	-2688	9243	3067	-474	-2269	-56	146	265	2425
2023-07-19 4:39	2023-07-18 23:39	20.6	Light C - Tote	4.96	22.17	439	-5893	16952	-121	238	-3373	2	88	292	2140
2023-07-19 4:39	2023-07-18 23:39	20.6	Light C - Tote	4.97	22.17	879	5119	15881	-59	-1473	-2962	3.7	86.3	353	5426
2023-07-19 4:39	2023-07-18 23:39	20.6	Light C - Tote	4.96	21.27	-2568	15733	20899	-2082	-2261	-2308	-6	96	170	18700
2023-07-19 4:40	2023-07-18 23:40	20.6	Light C - Tote	4.97	21.09	6807	-3183	13896	-1122	1422	-3067	28.5	61.5	37	2422
2023-07-19 4:40	2023-07-18 23:40	20.6	Light C - Tote	4.97	21.09	5705	-4257	16307	-1159	1518	-3010	20.9	69.1	56	1563
2023-07-19 4:40	2023-07-18 23:40	20.3	Light C - Tote	4.97	21.22	3961	-4378	15985	-1352	1529	-2943	15.2	74.8	92	1203
2023-07-19 4:40	2023-07-18 23:40	20.3	Light C - Tote	4.97	21.22	5421	-2497	14903	-1727	1399	-2861	22.2	67.8	88	1769
2023-07-19 4:40	2023-07-18 23:40	20.3	Light C - Tote	4.97	21.22	3414	-3980	17617	-2109	1180	-2754	12.2	77.8	146	3578
2023-07-19 4:40	2023-07-18 23:40	20.3	Light C - Tote	4.97	21.22	7181	-1689	15455	-2580	760	-2609	27.5	62.5	127	1411
2023-07-19 4:40	2023-07-18 23:40	20.3	Light C - Tote	4.96	21.22	4967	-2749	17384	-2677	293	-2660	17.7	72.3	181	1209
2023-07-19 4:40	2023-07-18 23:40	20.3	Light C - Tote	4.97	21.22	5761	-1982	15904	-2625	67	-2743	22.1	67.9	190	1450
2023-07-19 4:40	2023-07-18 23:40	20.3	Light C - Tote	4.96	21.22	6088	-3449	15688	-2527	-216	-2833	23.2	66.8	230	1048
2023-07-19 4:40	2023-07-18 23:40	20.3	Light C - Tote	4.97	22.1	6265	-1955	16385	-2212	-334	-3002	23.1	66.9	236	686
2023-07-19 4:40	2023-07-18 23:40	20.3	Light C - Tote	4.97	22.1	6337	-3734								

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	21.18	8386	-2724	15918	-3405	-238	-2022	30.2	59.8	209	1260
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	21.18	10522	-1801	14579	-3423	-402	-2013	38.8	51.2	224	1206
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.96	21.18	9849	-2469	14800	-3094	-760	-2339	36.4	53.6	250	953
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	21.04	10010	-1375	13982	-2831	-646	-2573	38.8	51.2	265	788
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.96	21.04	11721	-1731	13608	-2605	-485	-2756	44	46	301	1070
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	20.87	8959	-2476	13713	-2452	-299	-2860	36.1	53.9	281	785
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	20.87	11537	-1440	12441	-2375	39	-2906	46.3	43.7	350	1094
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.96	20.58	10780	-3755	12896	-2111	743	-2931	42.3	47.7	355	1850
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.96	20.58	11408	-1651	13295	-2279	1025	-2706	43.9	46.1	50	1269
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	20.65	12257	-3689	13588	-2830	1228	-2136	44.4	45.6	79	1095
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	20.65	12091	-932	12097	-3132	984	-1956	48.6	41.4	88	1250
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	20.89	12435	-2758	10768	-3286	771	-1879	52.2	37.8	82	4056
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	20.89	13094	40	11306	-3584	637	-1459	52.9	37.1	103	609
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	20.89	12984	-2197	10795	-3954	184	-865	53.6	36.4	173	873
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	20.89	13246	-175	9021	-4044	-195	-702	59.9	30.1	198	1408
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	20.89	13660	-1549	10160	-4027	-423	-858	57	33	242	1594
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.96	20.92	14761	-675	9482	-4021	-554	-886	61.1	28.9	252	1695
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	20.92	15276	-2929	8917	-3909	-794	-1153	62.3	27.7	268	2008
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.96	20.92	14170	479	9978	-3773	-928	-1431	58.6	31.4	266	1365
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	21.06	15513	-1931	7666	-3565	-930	-1768	67	23	287	1675
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.96	21.06	13262	3386	7096	-3624	-1113	-1599	62.6	27.4	38	2910
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	20.99	16229	576	6725	-3571	-1061	-1710	71.1	18.9	315	3581
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.96	20.99	15220	158	5707	-3693	-200	-1616	73.5	16.5	11	1704
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.96	20.99	15129	-988	7317	-3445	737	-1652	68.1	21.9	53	1381
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	20.95	15985	-2314	5013	-3493	1247	-1113	74.8	15.2	41	1125
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	20.95	15022	-3170	5414	-3601	1316	-638	71.2	18.8	67	1285
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.96	20.92	15964	-3686	4699	-3708	1314	-131	72.9	17.1	77	1356
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	20.92	15341	-2753	5497	-3942	801	102	72.1	17.9	93	2047
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.97	20.92	14791	-2444	5268	-4043	507	101	72.7	17.3	99	853
2023-07-19 4:41	2023-07-18 23:41	19.9	Light C - Tote	4.96	20.88	14779	-4256	9738	-4079	66	-433	58	32	218	1207
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.96	20.88	14251	-335	11189	-4029	-293	-841	55.5	34.5	212	3047
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	20.95	12466	-845	12044	-3802	-582	-1433	49.6	40.4	237	1477
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	20.95	12982	-2237	10974	-3664	-516	-1678	53.1	36.9	258	1676
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	20.95	2178	12808	18190	19549	4452	432	6.2	83.8	123	28348
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.96	20.99	12616	-3077	11850	-3223	-347	-2248	49.6	40.4	274	726
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	20.99	12333	-3701	11644	-2951	-150	-2498	49	41	288	1871
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.96	20.83	11641	-2207	11699	-2684	241	-2678	48.2	41.8	343	908
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	20.83	12220	-3469	11448	-2662	593	-2596	49.4	40.6	344	1670
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.96	20.65	12165	-3362	12365	-2350	967	-2690	47.2	42.8	18	1927
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	20.65	9878	-4608	14543	-2133	1371	-2644	36	54	51	1429
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	20.67	10452	-4033	13479	-2011	1671	-2541	40	50	50	1087
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	20.67	8287	-3843	14243	-2330	1538	-2396	32.4	57.6	89	1232
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.96	20.67	9797	-3976	13809	-2697	1534	-2059	37.6	52.4	95	1699
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	20.97	9746	-4501	12976	-3099	1131	-1900	38.8	51.2	132	1346
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	20.97	10181	-3456	13402	-3364	717	-1803	39.8	50.2	153	952
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	20.97	9271	-3949	15380	-3283	53	-2136	33.2	56.8	212	1483
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	21.15	10932	-4218	13043	-3135	-173	-2325	42	48	258	1218
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	21.15	8238	-6017	14850	-2554	-195	-2808	30	60	258	1482
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.96	21.04	9196	-3665	14239	-2285	-37	-2979	35.2	54.8	290	919
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	21.04	9680	-3762	13162	-1921	260	-3120	38.7	51.3	325	1063
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	20.57	9006	-2455	14539	-1742	815	-3092	34.5	55.5	28	860
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	20.57	10286	-2267	12800	-1848	1024	-2958	42	48	29	800
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	20.73	8243	-4660	14353	-1991	1425	-2700	31.6	58.4	59	1372
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	20.73	9011	-1386	15024	-2435	1406	-2394	33.9	56.1	91	1180
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.96	20.73	7677	-5263	14265	-2689	1281	-2248	29.7	60.3	140	1196
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	21.17	9351	-3456	15451	-3197	722	-2033	33.5	56.5	155	1803
2023-07-19 4:41	2023-07-18 23:41	19.6	Light C - Tote	4.97	21.17	8700	-3585	13969	-3186	247	-2196	34.3	55.7	204	962
2023-07-19 4:42	2023-07-18 23:42	19.6	Light C - Tote	4.97	21.17	8388	-1632	14189	-2902	-447	-2540	33.6	56.4	236	1147
2023-07-19 4:42	2023-07-18 23:42	19.6	Light C - Tote	4.97	21.17	6474	-3045	16377	-2137	-363	-3043	23.6	66.4	252	1407
2023-07-19 4:42	2023-07-18 23:42	19.6	Light C - Tote	4.96	21.27	8366	-2395	17177	-1767	-164	-3208	28.3	61.7	305	1603
2023-07-19 4:42	2023-07-18 23:42	19.6	Light C - Tote	4.97	21.27	8129	-2072	13314	-1604	422	-3221	34.4	55.6	5	753
2023-07-19 4:42	2023-07-18 23:42	19.6	Light C - Tote	4.97	20.78	8081	-1586	14460	-1689	934	-3066	32.1	57.9	48	728
2023-07-19 4:42	2023-07-18 23:42	19.6	Light C - Tote	4.96	20.78	7001	-2785	15002	-1720	1367	-2876	27.4	62.6	69	597
2023-07-19 4:42	2023-07-18 23:42	19.6	Light C - Tote	4.97	20.81	7400	-2496	16085	-2147	1386	-2627	27	63	95	1010
2023-07-19 4:42	2023-07-18 23:42	19.3	Light C - Tote	4.97	20.8	9024	-1852	13501	-2950	1027	-2135	36.9	53.1	111	590
2023-07-19 4:42	2023-07-18 23:42	19.3	Light C - Tote	4.97	20.8	1180	12808	17934	-19360	4472	430	6.2	83.8	62	4796
2023-07-19 4:42	2023-07-18 23:42	19.3	Light C - Tote	4.96	21.08	11107	574	13377	-2809	779	-2399	43	47	85	6016
2023-07-19 4:42	2023-07-18 23:42	19.3	Light C - Tote	4.97	21.08	14761	-14000	660	-2773	962	-2352	47.2	42.8	273	18974
2023-07-19 5:12	2023-07-19 0:12	21.2	Light D - Teardrop	4.96	21.95	7826	312	15503	-2670	-978	-2554	29.5	60.5	239	2317
2023-07-19 5:12	2023-07-19 0:12	21.2	Light D - Teardrop	4.97	21.95	6655	-1685	15730	-2251	-713	-2887	25.4	64.6	252	2035
2023-07-19 5:12	2023-07-19 0:12	21.2	Light D - Teardrop	4.96	21.95	5316	-2436	16251	-1946	-571	-3074	20.1	69.9	252	1357
2023-07-19 5:12	2023-07-19														

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-07-19 5:12	2023-07-19 0:12	20.9	Light D - Teardrop	4.97	21.77	9322	-319	15423	-2983	-270	-2360	34.1	55.9	195	1437
2023-07-19 5:12	2023-07-19 0:12	20.9	Light D - Teardrop	4.96	21.77	7288	248	17404	-2712	-978	-2549	25	65	227	1256
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.97	21.77	7401	1950	15207	-2538	-1138	-2647	28.3	61.7	233	878
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.96	21.77	6670	950	16895	-2325	-1393	-2702	23.7	66.3	247	723
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.97	21.77	6814	-982	16119	-2056	-1064	-2950	25.4	64.6	266	730
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.96	21.77	10653	-919	14199	-2455	-891	-2772	40.1	49.9	292	690
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.97	21.84	9528	-2178	14252	-2128	-536	-3002	36.7	53.3	299	698
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.96	21.84	9582	-3244	13991	-1695	72	-3187	37	53	328	762
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.96	21.07	9007	-2490	15531	-1437	452	-3230	32.7	57.3	5	1797
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.97	21.07	8803	-3762	14573	-1506	975	-3055	33.4	56.6	14	1599
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.99	21.07	10405	-2310	14927	-1640	1134	-2922	37.7	52.3	39	1801
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.96	21.07	8770	-2814	16202	-1993	1173	-2697	30.8	59.2	75	946
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.96	21.07	9169	-2624	15040	-2473	1036	-2407	34	56	98	770
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.96	21.55	9189	-736	14175	-2849	732	-2203	36.1	53.9	112	636
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.97	21.55	8867	-3952	14810	-2923	588	-2182	33.1	56.9	176	1150
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.96	21.55	9144	-1300	15156	-3079	205	-2161	34	56	165	1190
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.96	21.55	9368	-768	14956	-3213	-439	-2114	35.1	54.9	212	740
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.96	21.55	10261	-492	14303	-3213	-819	-2100	38.9	51.1	240	1167
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.97	21.55	10718	-214	13014	-3113	-1024	-2176	43	47	261	999
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.96	21.55	10824	-1949	13373	-2788	-911	-2504	42.2	47.8	276	351
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.97	21.32	10798	-1854	13591	-2426	-716	-2805	41.7	48.3	295	448
2023-07-19 5:13	2023-07-19 0:13	20.9	Light D - Teardrop	4.96	21.32	10350	-1788	11883	-2156	-402	-2995	44.6	45.4	321	718
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.97	21.32	10870	-2161	13263	-1953	296	-3043	42.5	47.5	356	2343
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.96	21.32	11514	-1341	12716	-2090	912	-2778	45.6	44.4	39	825
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.96	21.16	10805	-4494	12440	-2398	1245	-2357	42.8	47.2	39	1115
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.97	21.16	10733	-724	13109	-2645	1014	-2270	42.8	47.2	81	603
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.97	21.16	2598	12808	18190	21600	4510	438	7.3	82.7	124	19132
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.96	21.27	10265	-325	14779	-3336	301	-1778	37.9	52.1	145	1202
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.97	21.27	12270	1572	12462	-3706	-731	-1367	47.7	42.3	216	1494
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.96	21.27	12455	-60	12542	-3581	-1013	-1540	48.3	41.7	251	1119
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.97	21.27	11318	1788	13441	-3287	-1292	-1912	43	47	251	1780
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.96	21.27	11320	-1897	12058	-2918	-1079	-2364	46.6	43.4	279	482
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.97	21.2	10855	-1532	13022	-2337	-542	-2886	43.2	46.8	311	1151
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.97	21.2	10927	-1812	13042	-2137	1	-2988	43.3	46.7	342	771
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.96	21.2	10742	-1555	13191	-2098	302	-2964	42.5	47.5	7	673
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.97	21.18	11362	-1357	13462	-2186	785	-2769	43.5	46.5	42	1582
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.97	21.18	11228	-1201	14667	-2167	879	-2739	40.6	49.4	54	1000
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.97	21.18	11256	-2092	12277	-2453	1104	-2404	45.8	44.2	56	2250
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.96	21.18	11166	-1348	12230	-2631	1260	-2127	46	44	75	1592
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.97	21.23	10762	-122	14964	-2909	877	-2061	38.8	51.2	104	728
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.96	21.23	10505	-3681	13727	-3302	394	-1814	39.8	50.2	188	2439
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.97	21.23	10599	-160	14375	-3350	-78	-1903	39.6	50.4	172	1256
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.96	21.33	9672	-2501	15408	-3263	-440	-2066	34.8	55.2	227	542
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.97	21.33	11082	114	14437	-3231	-684	-2102	40.7	49.3	232	2040
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.96	21.33	10019	-2305	14314	-3023	-895	-2309	37.9	52.1	256	495
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.96	21.33	9745	-1590	14305	-2693	-866	-2600	37.3	52.7	268	1072
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.96	21.45	10169	-2442	13479	-2267	-636	-2918	40	50	297	640
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.97	21.45	10947	-1964	13059	-2102	-393	-3030	43.2	46.8	321	909
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.96	21.45	10480	-1466	13004	-1949	48	-3088	42.3	47.7	352	397
2023-07-19 5:13	2023-07-19 0:13	20.6	Light D - Teardrop	4.96	21.09	11582	486	11785	-2756	640	-2351	48.2	41.8	72	677
2023-07-19 5:13	2023-07-19 0:13	20.3	Light D - Teardrop	4.97	21.09	10877	-1417	12350	-2967	765	-2068	44.9	45.1	94	979
2023-07-19 5:13	2023-07-19 0:13	20.3	Light D - Teardrop	4.96	21.24	10866	1805	13512	-3375	297	-1736	41.7	48.3	121	895
2023-07-19 5:13	2023-07-19 0:13	20.3	Light D - Teardrop	4.97	21.24	11611	1182	13044	-3608	-370	-1533	44.9	45.1	181	1291
2023-07-19 5:13	2023-07-19 0:13	20.3	Light D - Teardrop	4.96	21.24	11083	1731	13162	-3557	-651	-1631	43.1	46.9	199	944
2023-07-19 5:13	2023-07-19 0:13	20.3	Light D - Teardrop	4.96	21.22	10521	459	13040	-3404	-1265	-1756	42.3	47.7	250	819
2023-07-19 5:13	2023-07-19 0:13	20.3	Light D - Teardrop	4.96	21.22	9844	2320	14284	-3168	-1429	-1984	37.1	52.9	242	1526
2023-07-19 5:13	2023-07-19 0:13	20.3	Light D - Teardrop	4.97	21.22	8762	1498	12703	-2575	-1490	-2510	37.7	52.3	278	1218
2023-07-19 5:13	2023-07-19 0:13	20.3	Light D - Teardrop	4.97	21.22	10242	-3471	13431	-2016	-358	-3066	39.9	50.1	305	1588
2023-07-19 5:13	2023-07-19 0:13	20.3	Light D - Teardrop	4.97	21.32	9115	-5705	14550	-1543	727	-3131	33.2	56.8	330	1871
2023-07-19 5:13	2023-07-19 0:13	20.3	Light D - Teardrop	4.96	21.32	10063	-5175	14286	-1666	1344	-2814	36.6	53.4	17	1262
2023-07-19 5:14	2023-07-19 0:14	20.3	Light D - Teardrop	4.96	21.32	11247	-2369	12953	-2313	1397	-2355	44.1	45.9	61	1430
2023-07-19 5:14	2023-07-19 0:14	20.3	Light D - Teardrop	4.96	21.28	11630	-826	12128	-3029	1019	-1815	47.5	42.5	91	2483
2023-07-19 5:14	2023-07-19 0:14	20.3	Light D - Teardrop	4.97	21.28	12744	-3610	12779	-3012	1406	-1448	47.4	42.6	94	6082
2023-07-19 5:14	2023-07-19 0:14	20.3	Light D - Teardrop	4.96	21.28	12867	-5481	8873	-2778	1393	-1839	54.7	35.3	2	3296
2023-07-19 5:14	2023-07-19 0:14	20.3	Light D - Teardrop	4.97	21.28	12644	-324	9881	-2925	195	-2339	56.1	33.9	29	6275
2023-07-19 5:30	2023-07-19 0:30	20.6	Light B - Tuzyk	4.96	21.31	13182	-1229	11029	-3065	837	-1912	53.8	36.2	73	1711
2023-07-19 5:30	2023-07-19 0:30	20.6	Light B - Tuzyk	4.97	21.31	12462	-1342	10816	-2792	777	-2276	52.8	37.2	50	1251
2023-07-19 5:30	2023-07-19 0:30	20.6	Light B - Tuzyk	4.96	21.31	12463	647	11839	-2492	302	-2715	50	40	43	1617
2023-07-19 5:30	2023-07-19 0:30	20.6	Light B - Tuzyk	4.97	21.3	11645	-535	11520	-2552	-69	-2726	49.1	40.9	0	1685
2023-07-19 5:30	2023-07-19 0:30	20.6	Light B - Tuzyk	4.96	21.3	12787	-544	10788	-2549	-640	-2720	53.7	36.3	329	2737
2023-07-19 5:30	2023-07-19 0:30	20.6	Light B - Tuzyk	4.97	21.3	11848	-1014	13417	-2727	-896	-2543	44.8	45.2	288	2405
2023-07-19 5:3															

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.96	21.16	11423	1	13278	-3318	565	-1732	44.1	45.9	115	986
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.97	21.16	11475	-585	12859	-3030	547	-2108	45.3	44.7	96	2689
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.97	21.28	12495	-625	12159	-2847	604	-2285	49.4	40.6	65	569
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.97	21.28	10925	623	13822	-2486	624	-2620	41.5	48.5	73	353
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.96	21.28	11735	-59	12214	-2419	355	-2761	47.5	42.5	38	1042
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.97	21.28	12812	-1589	11112	-2415	210	-2801	52.7	37.3	357	991
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.96	21.34	12050	-1375	12904	-2295	-143	-2915	46.4	43.6	341	484
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.97	21.34	11255	92	13377	-2325	-702	-2880	43.5	46.5	327	1989
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.96	21.34	12652	-713	11934	-2594	-848	-2670	50.3	39.7	312	881
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.96	21.19	11870	-759	12819	-2833	-906	-2470	46.3	43.7	288	1015
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.97	21.19	11888	-892	12256	-2997	-1057	-2285	47.7	42.3	280	653
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.97	21.19	12162	60	12015	-3153	-1169	-2069	49	41	276	1659
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.96	21.19	11997	-1312	12391	-3306	-1032	-1939	47.6	42.4	265	1255
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.97	21.3	12619	-1204	12386	-3476	-962	-1704	49	41	259	1328
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.96	21.3	11939	-1174	12365	-3587	-528	-1552	47.5	42.5	236	292
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.96	21.3	12110	-1136	11809	-3600	-337	-1531	49.4	40.6	227	1289
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.96	21.24	11648	-2277	12545	-3564	-168	-1579	46.1	43.9	222	381
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.96	21.24	11296	-1161	13378	-3471	375	-1554	43.5	46.5	143	716
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.96	21.24	11860	-684	13254	-3292	509	-1783	45.3	44.7	118	1665
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.97	21.22	11759	-643	13080	-3236	565	-1838	45.4	44.6	112	828
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.97	21.22	11800	-2357	12150	-2946	1106	-1905	47.4	42.6	85	675
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.97	21.22	11381	-179	13120	-2699	840	-2343	44.4	45.6	78	1839
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.97	21.22	11906	-748	11823	-2527	606	-2587	48.9	41.1	44	985
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.97	21.36	11254	-112	13931	-2302	558	-2789	42.2	47.8	53	1236
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.96	21.36	11049	47	13855	-2214	76	-2947	41.9	48.1	25	1011
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.97	21.36	12267	-1576	12395	-2230	-104	-2957	48.1	41.9	342	1484
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.96	21.25	11343	1156	11952	-2234	-502	-2942	46.9	43.1	6	712
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.97	21.25	10499	-966	14185	-2277	-637	-2918	39.7	50.3	308	2101
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.96	21.25	10988	726	13643	-2622	-912	-2632	42.1	47.9	299	1057
2023-07-19 5:31	2023-07-19 0:31	20.3	Light B - Tuzyk	4.97	21.2	13358	-986	9883	-2966	-1035	-2320	57.4	32.6	300	1969
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.96	21.2	12334	-1200	11805	-3194	-1053	-2071	49.9	40.1	274	1146
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.97	21.2	12076	18	11273	-3321	-1059	-1913	50.8	39.2	271	1073
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.96	21.29	12242	-271	12211	-3467	-981	-1727	48.7	41.3	257	1032
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.97	21.29	13184	-319	10472	-3725	-782	-1289	55.4	34.6	254	1010
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.96	21.29	12750	258	11154	-3744	-462	-1237	52.6	37.4	218	1062
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.96	21.14	12793	-1553	11820	-3715	-113	-1259	50.8	39.2	207	1605
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.97	21.14	12624	-548	12364	-3602	5	-1453	49.2	40.8	167	1884
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.97	21.14	11194	-209	13209	-3493	308	-1540	43.7	46.3	137	484
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.96	21.14	10961	-529	13385	-3291	564	-1747	42.7	47.3	121	834
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.97	21.17	10331	-1007	13715	-3045	931	-1894	40.3	49.7	108	1725
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.96	21.17	11443	-619	12608	-2949	839	-2062	45.8	44.2	89	779
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.97	21.17	13678	-1418	10440	-2941	910	-2042	56.3	33.7	57	1319
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.97	21.34	11340	-485	12963	-2333	689	-2718	44.7	45.3	51	648
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.97	21.34	11374	-253	12611	-2330	532	-2779	45.6	44.4	44	1229
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.97	21.34	11333	-925	13809	-2263	403	-2865	42.7	47.3	31	909
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.96	21.39	9851	-158	15494	-2096	118	-3011	35.4	54.6	35	527
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.97	21.39	11437	-1281	13192	-2209	-324	-2976	44.3	45.7	332	1582
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.96	21.39	13076	-652	10878	-2564	-636	-2726	54.1	35.9	328	705
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.96	21.15	12226	-1136	12205	-2754	-782	-2553	48.6	41.4	298	1712
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.96	21.15	12538	474	11970	-2803	-1040	-2468	49.9	40.1	306	1168
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.96	21.15	11237	-284	12463	-2949	-1176	-2299	45.7	44.3	278	1318
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.96	21.26	12411	-591	12949	-3135	-1268	-2058	47.3	42.7	272	1240
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.97	21.26	11966	-729	12664	-3387	-943	-1839	46.9	43.1	257	1825
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.97	21.26	11354	24	13187	-3424	-757	-1812	44.2	45.8	237	1108
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.97	21.26	11159	-593	12605	-3561	-581	-1623	45.1	44.9	229	2478
2023-07-19 5:31	2023-07-19 0:31	19.9	Light B - Tuzyk	4.96	21.33	11732	-1160	12233	-3640	-260	-1454	47.4	42.6	213	479
2023-07-19 5:32	2023-07-19 0:32	19.9	Light B - Tuzyk	4.96	21.33	11816	-2119	12725	-3526	359	-1445	46.1	43.9	157	2106
2023-07-19 5:32	2023-07-19 0:32	19.9	Light B - Tuzyk	4.96	21.33	13235	-978	11676	-3359	682	-1573	52.2	37.8	100	895
2023-07-19 5:32	2023-07-19 0:32	19.9	Light B - Tuzyk	4.97	21.16	11495	-1490	13134	-3118	934	-1773	44.5	45.5	104	665
2023-07-19 5:32	2023-07-19 0:32	19.9	Light B - Tuzyk	4.96	21.16	12423	-1223	12143	-2866	1018	-2048	49.2	40.8	76	1179
2023-07-19 5:32	2023-07-19 0:32	19.9	Light B - Tuzyk	4.96	21.16	10961	-781	13756	-2403	1044	-2504	41.9	48.1	70	2057
2023-07-19 5:32	2023-07-19 0:32	19.9	Light B - Tuzyk	4.96	21.35	11270	-1677	12934	-2037	855	-2857	44.4	45.6	33	1257
2023-07-19 5:32	2023-07-19 0:32	19.9	Light B - Tuzyk	4.97	21.35	10318	-1751	13471	-1975	453	-3017	40.7	49.3	13	1134
2023-07-19 5:32	2023-07-19 0:32	19.6	Light B - Tuzyk	4.97	21.35	11722	-2960	14991	-2103	-54	-3024	40.7	49.3	323	1667
2023-07-19 5:32	2023-07-19 0:32	19.6	Light B - Tuzyk	4.96	21.2	11369	-10	13665	-2275	-722	-2899	43.1	46.9	325	1505
2023-07-19 5:32	2023-07-19 0:32	19.6	Light B - Tuzyk	4.97	21.2	11297	-1027	13783	-2579	-858	-2688	42.6	47.4	292	749
2023-07-19 5:32	2023-07-19 0:32	19.6	Light B - Tuzyk	4.97	21.2	11996	-1253	12243	-2832	-1058	-2428	48	42	287	1930
2023-07-19 5:32	2023-07-19 0:32	19.6	Light B - Tuzyk	4.96	21.2	11696	-573	12803	-3095	-1061	-2173	45.9	44.1	271	1466
2023-07-19 5:32	2023-07-19 0:32	19.6	Light B - Tuzyk	4.96	21.27	10847	-1226	13120	-3267	-905	-2019	43	47	254	1406
2023-07-19 5:32	2023-07-19 0:32	19.6	Light B - Tuzyk	4.96	21.27	11737	-632	12621	-3499	-705	-1695	46.5	43.5	242	314
2023-07-19 5:32	2023-07-19 0:32	19.6	Light B - Tuzyk	4.96	21.27	12284	-611	11951	-3593	-526	-1559	49.5	40.5	235	1042
202															

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-07-19 5:50	2023-07-19 0:50	20.6	Light A - Dixie	4.96	22.1	8784	-314	13872	-3344	-187	-1906	35.6	54.4	185	2820
2023-07-19 5:50	2023-07-19 0:50	20.6	Light A - Dixie	4.97	22.1	8130	-1297	15826	-2905	-128	-2405	29.9	60.1	195	1591
2023-07-19 5:50	2023-07-19 0:50	20.6	Light A - Dixie	4.96	22.1	8347	-919	15124	-3046	-263	-2289	31.8	58.2	200	904
2023-07-19 5:50	2023-07-19 0:50	20.6	Light A - Dixie	4.97	22.1	8311	-1991	16832	-2776	-439	-2538	28.7	61.3	227	1618
2023-07-19 5:50	2023-07-19 0:50	20.6	Light A - Dixie	4.96	21.76	8817	-1901	15163	-2799	-304	-2515	33	57	231	1640
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.97	21.76	6925	-2335	14640	-2510	-529	-2753	27.9	62.1	246	1136
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.96	21.76	6815	-1182	15953	-2361	-591	-2849	25.6	64.4	240	1518
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.97	21.76	5662	-775	15101	-2027	-715	-3014	23	67	253	2187
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.96	21.76	2722	12808	17934	-4359	4606	438	7.7	82.3	63	2236
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.97	21.76	6516	-530	16616	-1602	-754	-3187	23.7	66.3	289	553
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.96	21.76	7754	-1749	15063	-1661	-650	-3190	30	60	301	679
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.96	21.76	7718	-1695	16309	-1442	-558	-3267	27.8	62.2	309	1151
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.96	21.76	7510	-428	16318	-1352	-350	-3310	27.2	62.8	341	640
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.96	21.76	7617	-2143	14922	-1311	-154	-3327	29.7	60.3	330	1251
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.96	22.53	6624	-2339	15721	-972	107	-3390	25.2	64.8	346	1119
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.97	22.53	6630	-85	15929	-824	362	-3401	25	65	30	847
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.96	22.53	7034	-3872	15556	-926	737	-3318	26.3	63.7	2	387
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.96	22.53	6719	-1293	15998	-1119	904	-3235	25.2	64.8	47	1021
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.96	22.53	7845	-1025	16294	-1304	1004	-3138	28.3	61.7	52	448
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.96	22.53	6141	-1783	16129	-1470	1175	-3005	23.1	66.9	72	1217
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.96	22.06	6418	-2649	16458	-1672	1224	-2903	23.4	66.6	81	1171
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.97	22.06	4993	-1677	17528	-1698	1276	-2864	17.7	72.3	101	984
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.96	22.06	5416	-2195	16876	-1886	1216	-2788	19.7	70.3	106	1379
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.96	22.06	6013	-3007	16579	-1999	1143	-2756	21.9	68.1	110	1568
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.96	22.06	6094	-1772	16902	-2316	807	-2681	21.9	68.1	130	656
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.96	22.06	6556	-1485	15230	-2615	406	-2577	25.8	64.2	154	1791
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.97	21.92	8419	-2589	15797	-2848	93	-2430	30.5	59.5	200	1503
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.97	21.92	8173	-814	15146	-2914	-32	-2385	31.2	58.8	179	854
2023-07-19 5:51	2023-07-19 0:51	20.6	Light A - Dixie	4.96	21.92	7901	-1063	15437	-2996	-346	-2332	29.8	60.2	207	864
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.97	21.92	8266	-1643	15373	-2862	-634	-2452	31	59	236	887
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	21.92	7622	-441	16298	-2710	-710	-2576	27.6	62.4	226	700
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	21.92	8010	-1066	15739	-2535	-965	-2664	29.7	60.3	253	1262
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	22	7849	-1273	16139	-2125	-913	-2925	28.5	61.5	271	822
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	22	8060	-162	16145	-2279	-949	-2834	29.2	60.8	263	1308
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	22	8897	-2197	14283	-2115	-719	-2968	34.8	55.2	290	971
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.97	22	9277	-2765	15231	-1947	-670	-3074	33.9	56.1	295	1206
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	22	10650	-78	14112	-2054	-707	-2996	40.3	49.7	327	1442
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	22	8883	-1078	15558	-1933	-334	-3102	32.6	57.4	321	1578
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	21.87	9941	-1481	14228	-1731	-31	-3187	38.1	51.9	349	1323
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.97	21.87	9247	-21	14911	-1594	115	-3236	34.8	55.2	22	1049
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	21.87	9712	-1271	13600	-1806	405	-3104	38.8	51.2	17	664
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.97	21.87	9693	-768	13636	-1864	762	-2974	38.7	51.3	43	631
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	21.87	8898	390	14923	-1909	1031	-2852	33.7	56.3	71	1871
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.97	21.74	8501	-1187	15627	-2194	920	-2712	31.3	58.7	86	1876
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	21.74	8941	-832	14731	-2563	929	-2412	34.3	55.7	99	1054
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	21.74	8546	-1942	15279	-2988	495	-2176	31.9	58.1	152	1736
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	21.43	10304	-1495	14692	-3183	270	-2017	38.1	51.9	159	388
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	21.43	10143	-880	14863	-3249	-233	-2037	37.4	52.6	200	2072
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.97	21.43	9906	-1548	14370	-3213	-661	-2087	37.7	52.3	238	1396
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.97	21.61	10289	-228	13920	-3057	-952	-2213	39.8	50.2	252	1490
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	21.61	9449	-1586	14454	-2707	-1046	-2515	36.2	53.8	265	1326
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	21.61	10217	-446	13639	-2662	-1071	-2540	40.2	49.8	278	1533
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	21.61	9719	-2878	15670	-2389	-969	-2764	34.3	55.7	274	4230
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.97	21.61	10168	-1233	14352	-2034	-830	-2989	38.5	51.5	307	883
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	21.61	9987	-1007	15555	-2000	-580	-3047	35.6	54.4	313	846
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.97	21.76	9940	-121	14440	-1878	-211	-3131	37.7	52.3	360	1474
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	21.76	9797	40	14377	-1763	298	-3135	37.4	52.6	32	756
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	21.76	9346	-1159	14746	-1720	550	-3110	35.4	54.6	31	1424
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.97	21.76	9931	266	14156	-2031	812	-2861	38.2	51.8	61	1302
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.97	21.76	10375	-1387	13525	-2413	1015	-2514	40.8	49.2	70	1252
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.96	21.74	10212	-922	13819	-2630	908	-2364	39.8	50.2	87	1179
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.97	21.74	10468	-1029	14486	-2958	705	-2112	39	51	112	1613
2023-07-19 5:51	2023-07-19 0:51	20.3	Light A - Dixie	4.97	21.74	10656	-1828	13932	-3227	198	-1996	40.5	49.5	174	1053
2023-07-19 5:52	2023-07-19 0:52	20.3	Light A - Dixie	4.97	21.45	10720	-136	12490	-3424	-50	-1770	44.3	45.7	166	642
2023-07-19 5:52	2023-07-19 0:52	20.3	Light A - Dixie	4.96	21.45	11024	-1398	12117	-3476	-269	-1713	45.9	44.1	223	1842
2023-07-19 5:52	2023-07-19 0:52	20.3	Light A - Dixie	4.96	21.45	10724	-592	13071	-3404	-802	-1811	42.9	47.1	241	956
2023-07-19 5:52	2023-07-19 0:52	20.3	Light A - Dixie	4.96	21.45	11755	-418	12516	-3331	-926	-1892	46.8	43.2	257	1272
2023-07-19 5:52	2023-07-19 0:52	20.3	Light A - Dixie	4.96	21.45	11173	-781	13281	-3123	-976	-2115	43.5	46.5	261	863
2023-07-19 5:52	2023-07-19 0:52	20.3	Light A - Dixie	4.96	21.52	11643	-1032	12425	-2859	-1200	-2342	46.7	43.3	282	824
2023-07-19 5:52	2023-07-19 0:52	20.3	Light A - Dixie	4.96	21.52	11483	-161	13633	-2646	-1063	-2556	43.5	46.5	290	1631
2023-07-19 5:52	2023-07-19 0:52	19.9	Light A - Dixie	4.96	21.52	11364	-19	13601	-2481	-864	-2721	43.2	46.8	307	980
2023-07-19 5:52	2023-07-19 0:52	19.9	Light A - Dixie	4.96	21.52	11366	258	13161	-2452	-709	-2770				

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-07-19 5:52	2023-07-19 0:52	19.6	Light A - Dixie	4.97	21.44	13881	-3828	10073	-3771	-291	-1126	56	34	252	1160
2023-07-19 5:52	2023-07-19 0:52	19.6	Light A - Dixie	4.96	21.44	12702	-1910	8698	-3565	-438	-1580	59.3	30.7	272	747
2023-07-19 5:52	2023-07-19 0:52	19.6	Light A - Dixie	4.97	21.44	13526	-2503	8918	-3383	-713	-1868	59.8	30.2	281	2737
2023-07-19 5:52	2023-07-19 0:52	19.6	Light A - Dixie	4.96	21.44	14735	-575	8313	-3255	-703	-2036	64.5	25.5	312	1821
2023-07-19 5:52	2023-07-19 0:52	19.6	Light A - Dixie	4.96	21.45	12344	2583	9342	-2606	-648	-2668	55.5	34.5	29	1330
2023-07-19 5:52	2023-07-19 0:52	19.6	Light A - Dixie	4.96	21.45	12833	5495	8369	-2926	-1573	-2120	54.7	35.3	36	1551
2023-07-19 5:52	2023-07-19 0:52	19.6	Light A - Dixie	4.97	21.45	16589	4054	2971	-3626	-1676	-1010	74.2	15.8	49	1451
2023-07-19 5:52	2023-07-19 0:52	19.6	Light A - Dixie	4.96	21.37	15828	-2408	982	-3993	-703	-313	82.1	7.9	263	582
2023-07-19 5:52	2023-07-19 0:52	19.6	Light A - Dixie	4.97	21.37	15516	-6739	2022	-3904	214	-313	67.1	22.9	264	887
2023-07-19 5:52	2023-07-19 0:52	19.6	Light A - Dixie	4.96	21.37	15647	-2167	6235	-3765	-411	-1143	71.1	18.9	279	947
2023-07-19 5:52	2023-07-19 0:52	19.6	Light A - Dixie	4.97	21.37	16238	-1712	4718	-3794	-921	-1029	76.7	13.3	279	2821
2023-07-19 5:52	2023-07-19 0:52	19.6	Light A - Dixie	4.96	21.43	14659	3551	-2167	-3955	-1052	-370	71.8	18.2	90	5954
2023-07-19 5:52	2023-07-19 0:52	19.6	Light A - Dixie	4.97	21.43	15167	1658	5764	-3833	-1202	-787	72	18	289	2170
2023-08-15 3:36	2023-08-14 22:36	23.2	Light C - Tote	4.97	21.73	10740	-3906	13083	-1625	1848	-2482	41.7	48.3	43	4130
2023-08-15 3:36	2023-08-14 22:36	23.2	Light C - Tote	4.97	21.73	12464	-3967	8951	-1553	1324	-2834	56	34	359	6064
2023-08-15 3:36	2023-08-14 22:36	23.2	Light C - Tote	4.97	21.73	2081	-4568	15699	-52	1939	-3014	8.5	81.5	52	1469
2023-08-15 3:36	2023-08-14 22:36	23.2	Light C - Tote	4.97	21.7	1950	-4622	17466	-466	1760	-3042	7.2	82.8	71	1382
2023-08-15 3:36	2023-08-14 22:36	23.2	Light C - Tote	4.97	21.7	3449	-3286	17553	-748	1771	-2965	12.4	77.6	74	1635
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.7	3215	-3646	15750	-1042	1586	-2957	12.9	77.1	83	1507
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.7	4021	-3300	17471	-1397	1281	-2929	14.4	75.6	100	1694
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.7	1461	-3613	17339	-1530	995	-2977	5.7	84.3	151	1320
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.7	3606	-2194	14268	-1536	542	-3092	16.1	73.9	135	2604
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.7	2550	-3963	17237	-1436	181	-3176	9.5	80.5	221	1681
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.7	4063	-1046	16762	-1253	-81	-3253	15.4	74.6	278	2185
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.7	2717	-2055	16798	-985	-141	-3324	10.5	79.5	267	1077
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.7	3499	-3541	17249	-667	-111	-3389	12.8	77.2	303	1314
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.7	3345	-3258	16544	-348	19	-3436	12.8	77.2	327	2752
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.7	1263	-3832	18330	88	311	-3446	4.8	85.2	340	3018
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.7	3599	-2941	16996	218	619	-3424	13.4	76.6	8	1544
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.7	2319	-1234	18718	131	1007	-3368	8.5	81.5	46	2959
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	23.02	6260	-1239	16426	-652	1250	-3213	23.1	66.9	48	2073
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	23.02	7694	-2103	14400	-1005	1618	-2956	30.9	59.1	47	1986
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	23.02	7814	-4266	15054	-1362	1617	-2790	29.3	60.7	47	2189
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	23.02	5697	-3891	16412	-1702	1559	-2619	20.9	69.1	94	1707
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	23.02	7147	-2998	17143	-2077	1236	-2501	24.7	65.3	105	2044
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.69	7095	-2782	15162	-2317	805	-2475	27.4	62.6	128	3290
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.69	7424	-2564	16658	-2345	416	-2556	26.3	63.7	163	1085
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.69	5939	-2341	16757	-2317	121	-2636	21.6	68.4	191	1527
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.69	4401	-3679	16665	-1928	-212	-2925	16.3	73.7	235	1974
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.69	6898	-5105	13971	-1511	-203	-3139	27.7	62.3	291	1596
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.69	7442	-2496	16546	-1153	-129	-3280	26.5	63.5	329	2456
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.84	6446	-764	17037	-955	107	-3328	23	67	13	2178
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.84	7872	-2702	15423	-658	618	-3371	29.5	60.5	8	1158
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.84	6475	-5012	16768	-514	865	-3352	22.5	67.5	359	1861
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.84	5441	-3920	17385	19623	4580	454	19	71	80	2111
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.62	6631	-1464	16295	-867	1460	-3069	24.5	65.5	54	2909
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.62	8361	-2562	16053	-1424	1582	-2783	30	60	59	1512
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.62	7340	-901	15237	-2047	1374	-2458	28.4	61.6	90	3676
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.62	7564	-3580	15266	-2269	1097	-2400	28.5	61.5	112	1272
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.62	6653	-4299	16730	-2321	947	-2407	23.4	66.6	147	2014
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.62	8884	-1688	15975	-2509	655	-2353	31.6	58.4	120	2477
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.82	6845	-2441	14740	-2417	348	-2523	27.5	62.5	175	1570
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.99	21.82	7113	-27	16898	-2262	-157	-2695	25.2	64.8	173	1377
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.82	6866	-5419	15384	-2245	63	-2702	25.3	64.7	247	1652
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.82	7170	-4802	16990	-1950	-219	-2914	24.4	65.6	263	1543
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.82	10376	-1970	13589	-1817	-204	-2982	40.5	49.5	332	1123
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.67	10367	-1704	14496	-1595	55	-3102	38.6	51.4	352	4391
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.67	10250	-1938	13113	-1300	320	-3219	41.3	48.7	360	935
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.67	7348	-3498	14776	-1024	736	-3260	28.7	61.3	4	2361
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.22	7368	-4130	14360	-1053	1231	-3103	29.1	60.9	18	684
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.22	9737	-1227	14137	-1816	1416	-2621	37.7	52.3	62	1323
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.22	12852	-1544	11960	-2428	1523	-1978	50.5	39.5	67	2953
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.27	11738	-4191	11591	-2582	1427	-1845	47.3	42.7	65	1140
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.27	10618	-2545	12304	-2758	1240	-1730	43.9	46.1	92	2002
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.27	10409	-3239	14000	-2936	955	-1648	39.2	50.8	122	1048
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.27	10454	-3712	13004	-3084	455	-1668	41.2	48.8	182	912
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.45	10689	-1552	13440	-3013	-52	-1921	41.8	48.2	206	2144
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.45	10612	-1189	13255	-2763	-296	-2212	42.1	47.9	260	1348
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.45	9983	-5182	15289	-2442	-280	-2550	34.7	55.3	266	797
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.29	11840	-2362	11395	-2126	14	-2789	49.4	40.6	335	2897
2023-08-15 3:37	2023-08-14 22:37	23.2	Light C - Tote	4.97	21.29	12038	-4936	13655	-1811	555	-2928	43	47	335	962
2023-08-15 3:37	2023-08-14 22:37	23.2													

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.25	10449	-3696	13090	-1947	1700	-2323	41	49	54	1910
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.25	9581	-3330	14031	-2272	1598	-2074	36.9	53.1	82	1335
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.25	9079	-5763	16551	-2567	1255	-1993	30	60	131	2008
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.25	10514	-780	14279	-2905	604	-1866	39.6	50.4	117	2838
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.47	10241	-961	14005	-3020	308	-1823	39.4	50.6	143	667
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.47	8911	-1592	13840	-2768	61	-2195	35.9	54.1	190	1392
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.47	8279	-3082	14443	-2480	-184	-2508	32.3	57.7	250	2268
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.47	8676	-2681	14541	-2203	-195	-2730	33.5	56.5	280	999
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.38	9254	-3561	15372	-1712	-26	-3048	33.3	56.7	315	1716
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.38	8556	-4649	13537	-1382	318	401	34.1	55.9	101	925
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.38	8264	-5102	14645	-1153	513	-3255	30.9	59.1	333	1497
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.23	9158	-2656	14245	-877	779	-3283	35.5	54.5	11	1533
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.99	21.23	7606	-2690	17468	-712	1134	-3242	25.7	64.3	33	2334
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.23	7302	-4206	17678	-605	1457	-3157	24.2	65.8	32	1423
2023-08-15 3:38	2023-08-14 22:38	-1297.2	Light C - Tote	3.8	21.23	1648	10758	17936	1169	4554	452	5.1	84.9	109	26812
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.5	6678	-4815	15476	-1118	1788	-2808	24.9	65.1	49	1445
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.5	5837	-2653	16466	-1483	1776	-2628	21.5	68.5	83	2309
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.5	7569	-4139	16411	-2009	1583	-2379	26.6	63.4	94	1419
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.5	7248	-5576	14152	-2346	954	-2385	28.3	61.7	185	2116
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.5	8330	-4320	13995	-2589	357	-2353	32.7	57.3	227	2829
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.5	7713	-1798	15365	-2357	95	-2609	29.3	60.7	195	1997
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.95	6034	-2727	15112	-2088	-8	-2806	24	66	235	1299
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.99	21.95	7784	-4891	15101	-1755	-140	-3020	28.9	61.1	287	1824
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.95	9047	-3342	15176	-1532	42	-3128	33.2	56.8	326	1433
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.95	7990	-3374	15612	-1175	257	-3258	29.3	60.7	341	1902
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.25	8485	-5609	17936	2749	4504	452	26.8	63.2	75	769
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.25	7981	-1662	15636	-930	1419	-3078	29.7	60.3	45	1973
2023-08-15 3:38	2023-08-14 22:38	22.8	Light C - Tote	4.97	21.25	6675	-2647	14540	-1353	1539	-2847	27.1	62.9	59	2736
2023-08-15 3:38	2023-08-14 22:38	22.5	Light C - Tote	4.97	21.36	6748	-6353	14427	-1117	2605	-2121	25.7	64.3	62	3784
2023-08-15 4:14	2023-08-14 23:14	22.8	Light D - Teardrop	4.97	21.56	14750	-2655	7427	-3316	-519	-1364	65.9	24.1	280	1172
2023-08-15 4:14	2023-08-14 23:14	22.8	Light D - Teardrop	4.97	21.56	15415	-2460	6184	-3284	-405	-1454	70.7	19.3	289	855
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.56	14675	-3492	8904	-3170	-296	-1645	60.8	29.2	281	1315
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.56	15513	-1879	5864	-3155	-290	-1668	72.4	17.6	305	1342
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.69	14630	-2404	6829	-3107	-111	-1738	67.8	22.2	304	1394
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.69	14348	-2289	8255	-2890	88	-2011	63.3	26.7	325	2578
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.69	15049	-1877	6401	-2916	361	-1934	70.2	19.8	346	1907
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.69	15614	-2659	6602	-2842	406	-2014	69.4	20.6	333	1338
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.69	15316	-2363	6245	-2829	456	-2008	70.5	19.5	339	1245
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.69	14683	-2440	6908	-2808	608	-1987	67.6	22.4	351	512
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.69	15100	-2839	6917	-2770	747	-1981	67.7	22.3	350	829
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.69	14841	-2397	7343	-2830	642	-1958	66.6	23.4	358	789
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.69	14838	-2173	7146	-2818	703	-1924	67.4	22.6	6	784
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.96	21.62	15175	-2573	6653	-2819	833	-1871	68.9	21.1	1	1827
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.62	15160	-3747	7633	-2773	1143	-1737	64.6	25.4	8	996
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.62	15015	-2344	6812	-2833	1172	-1618	68.5	21.5	32	644
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.62	15008	-2876	5723	-2813	1324	-1521	70.9	19.1	18	1331
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.5	15270	-2667	6493	-2769	1480	-1453	69.3	20.7	37	1619
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.5	15683	-2921	6415	-2873	1381	-1340	69.7	20.3	36	851
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.5	15019	-1954	6335	-2925	1398	-1196	70.3	19.7	55	1405
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.5	15816	-3013	6990	-2987	1381	-1077	68.1	21.9	54	900
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.35	15103	-1933	5977	-3096	1404	-734	71.6	18.4	69	896
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.35	15391	-2608	6501	-3125	1377	-658	69.5	20.5	71	1538
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.35	14180	-3091	6663	-3121	1416	-603	66.8	23.2	74	720
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.35	15111	-2024	6800	-3270	1145	-484	69	21	83	1057
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.38	14554	-2217	7895	-3345	940	-540	64.7	25.3	91	1027
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.38	14249	-2749	10781	-3248	972	-863	55.8	34.2	100	1471
2023-08-15 4:14	2023-08-14 23:14	22.5	Light D - Teardrop	4.97	21.38	14485	-2679	8432	-3348	894	-625	62.6	27.4	95	1661
2023-08-15 4:15	2023-08-14 23:15	22.5	Light D - Teardrop	4.97	21.45	14379	-2535	8663	-3401	812	-522	61.9	28.1	100	1160
2023-08-15 4:15	2023-08-14 23:15	22.5	Light D - Teardrop	4.97	21.45	14657	-2345	7860	-3442	688	-496	64.9	25.1	100	1648
2023-08-15 4:15	2023-08-14 23:15	22.5	Light D - Teardrop	4.97	21.45	14572	-2367	7424	-3493	561	-431	66	24	105	1472
2023-08-15 4:15	2023-08-14 23:15	22.5	Light D - Teardrop	4.96	21.45	14426	-2325	8769	-3554	394	-353	61.9	28.1	124	411
2023-08-15 4:15	2023-08-14 23:15	22.5	Light D - Teardrop	4.97	21.35	14742	-1628	6980	-3579	266	-268	68.3	21.7	119	1536
2023-08-15 4:15	2023-08-14 23:15	22.5	Light D - Teardrop	4.97	21.35	14758	-2117	8739	-3582	186	-351	62.6	27.4	152	744
2023-08-15 4:15	2023-08-14 23:15	22.5	Light D - Teardrop	4.97	21.35	14887	-2474	7518	-3572	177	-412	66.1	23.9	182	1616
2023-08-15 4:15	2023-08-14 23:15	22.5	Light D - Teardrop	4.97	21.23	14431	-2724	9150	-3566	94	-496	60.5	29.5	199	1028
2023-08-15 4:15	2023-08-14 23:15	22.5	Light D - Teardrop	4.97	21.23	14727	-2361	8399	-3589	8	-445	63.4	26.6	217	1351
2023-08-15 4:15	2023-08-14 23:15	22.5	Light D - Teardrop	4.97	21.23	14534	-1918	8831	-3571	-236	-659	62.2	27.8	244	917
2023-08-15 4:15	2023-08-14 23:15	22.5	Light D - Teardrop	4.97	21.23	14722	-2575	8707	-3531	-263	-759	61.6	28.4	252	1386
2023-08-15 4:15	2023-08-14 23:15	22.5	Light D - Teardrop	4.97	21.26	14200	-1800	8170	-3529	-478	-827	63.7	26.3	262	1122
2023-08-15 4:15	2023-08-14 23:15	22.5	Light D - Teardrop	4.97	21.26	14264	-1354	9115	-3496	-490	-909	61.2	28.8	257	1072
2023-08-15 4:15	2023-08-14 23:15	22.2	Light D - Teardrop	4.97	21.26	14373	-577	8252	-3458	-458	-1049	64.2	25.8	267	1233
20															

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-08-15 4:15	2023-08-14 23:15	22.2	Light D - Teardrop	4.97	21.33	14454	-2527	7417	-3024	1349	-1027	65.7	24.3	67	1318
2023-08-15 4:15	2023-08-14 23:15	22.2	Light D - Teardrop	4.97	21.33	14233	-2792	8995	-3076	1301	-968	60.5	29.5	80	1179
2023-08-15 4:15	2023-08-14 23:15	22.2	Light D - Teardrop	4.97	21.33	14054	-2473	8896	-3186	1167	-813	60.8	29.2	87	689
2023-08-15 4:15	2023-08-14 23:15	22.2	Light D - Teardrop	4.97	21.5	13779	-1863	9469	-3281	953	-765	59	31	96	1416
2023-08-15 4:15	2023-08-14 23:15	22.2	Light D - Teardrop	4.96	21.5	13605	-2888	8927	-3218	1107	-783	59.5	30.5	91	744
2023-08-15 4:15	2023-08-14 23:15	22.2	Light D - Teardrop	4.97	21.5	13461	-3818	9434	-3278	1013	-705	56.9	33.1	103	1003
2023-08-15 4:15	2023-08-14 23:15	21.9	Light D - Teardrop	4.97	21.5	13683	-3862	10264	-3348	822	-731	55.1	34.9	117	1069
2023-08-15 4:15	2023-08-14 23:15	21.9	Light D - Teardrop	4.97	21.44	13275	-3212	9704	-3417	635	-683	56.4	33.6	124	1464
2023-08-15 4:15	2023-08-14 23:15	21.9	Light D - Teardrop	4.97	21.44	13884	-2437	8228	-3466	467	-631	62.5	27.5	121	1222
2023-08-15 4:15	2023-08-14 23:15	21.9	Light D - Teardrop	4.97	21.44	14052	-1584	6820	-3467	311	-765	67.9	22.1	99	1767
2023-08-15 4:15	2023-08-14 23:15	21.9	Light D - Teardrop	4.97	21.27	13321	-4731	9251	-3454	329	-824	55.9	34.1	218	858
2023-08-15 4:15	2023-08-14 23:15	21.9	Light D - Teardrop	4.97	21.27	13055	-4079	10353	-3414	240	-985	53.4	36.6	214	1617
2023-08-15 4:15	2023-08-14 23:15	21.9	Light D - Teardrop	4.97	21.27	13303	-3949	10444	-3388	134	-1106	53.8	36.2	231	866
2023-08-15 4:15	2023-08-14 23:15	21.9	Light D - Teardrop	4.97	21.23	13521	-3634	10124	-3379	-82	-1202	55.4	34.6	250	1469
2023-08-15 4:15	2023-08-14 23:15	21.9	Light D - Teardrop	4.96	21.23	13689	-3358	9609	-3454	-256	-1018	57.3	32.7	253	1801
2023-08-15 4:15	2023-08-14 23:15	21.9	Light D - Teardrop	4.97	21.23	13774	-3090	9664	-3323	-295	-1364	57.6	32.4	265	2087
2023-08-15 4:15	2023-08-14 23:15	21.9	Light D - Teardrop	4.97	21.23	13246	-3632	10424	-3229	-292	-1530	54.1	35.9	264	1158
2023-08-15 4:15	2023-08-14 23:15	21.9	Light D - Teardrop	4.97	21.45	12550	-4197	10245	-3115	-164	-1734	52.5	37.5	269	1092
2023-08-15 4:15	2023-08-14 23:15	21.9	Light D - Teardrop	4.97	21.45	13108	-4528	10351	-3036	-117	-1850	53	37	275	972
2023-08-15 4:16	2023-08-14 23:16	21.9	Light D - Teardrop	4.97	21.45	12918	-3502	9728	-2942	-230	-1969	55.4	34.6	286	238
2023-08-15 4:16	2023-08-14 23:16	21.9	Light D - Teardrop	4.97	21.45	13587	-1878	8850	-3063	-343	-1809	60.5	29.5	296	603
2023-08-15 4:16	2023-08-14 23:16	21.9	Light D - Teardrop	4.97	21.45	14319	-3869	9677	-2871	-123	-2066	57.8	32.2	295	1071
2023-08-15 4:16	2023-08-14 23:16	21.9	Light D - Teardrop	4.97	21.6	13704	-3536	9463	-2769	-36	-2177	57.6	32.4	303	812
2023-08-15 4:16	2023-08-14 23:16	21.9	Light D - Teardrop	4.97	21.6	12879	-5099	10564	-2590	94	-2369	51.4	38.6	296	1109
2023-08-15 4:16	2023-08-14 23:16	21.9	Light D - Teardrop	4.97	21.6	13084	-3864	10936	-2519	124	-2430	52.2	37.8	312	978
2023-08-15 4:16	2023-08-14 23:16	21.9	Light D - Teardrop	4.97	21.6	13924	-3130	10273	-2561	136	-2388	56.2	33.8	324	1992
2023-08-15 4:16	2023-08-14 23:16	21.9	Light D - Teardrop	4.97	21.6	14453	-2615	8958	-2548	212	-2391	61.1	28.9	336	1192
2023-08-15 4:16	2023-08-14 23:16	21.9	Light D - Teardrop	4.97	21.6	13611	-3052	8668	-2504	426	-2392	60.1	29.9	337	2126
2023-08-15 4:16	2023-08-14 23:16	21.9	Light D - Teardrop	4.97	21.6	13309	-4315	9958	-2316	649	-2495	54.6	35.4	335	825
2023-08-15 4:16	2023-08-14 23:16	21.9	Light D - Teardrop	4.97	21.6	13314	-2442	10782	-2352	607	-2482	54.2	35.8	6	1630
2023-08-15 4:16	2023-08-14 23:16	21.9	Light D - Teardrop	4.97	21.6	13358	-3151	9203	-2298	722	-2505	58	32	353	1580
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.55	13731	-4164	9990	-2248	1066	-2403	55.6	34.4	359	1009
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.99	21.55	13144	-4705	10561	-2260	1279	-2281	52.4	37.6	9	1565
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.55	13275	-3973	9535	-2216	1449	-2206	56.1	33.9	19	1419
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.55	13374	-3401	10303	-2314	1305	-2207	54.8	35.2	28	1291
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.47	13431	-2575	10064	-2231	1421	-2218	56.3	33.7	37	2274
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.47	13138	-4467	9564	-2291	1631	-1986	55.1	34.9	27	2665
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.47	13154	-4898	9840	-2336	1698	-1882	53.9	36.1	31	1976
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.96	21.34	13939	-4078	9029	-2396	1679	-1835	58.5	31.5	33	1440
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.34	14289	-3142	9048	-2404	1687	-1807	60.1	29.9	43	1816
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.34	13779	-4665	9275	-2560	1760	-1486	56.8	33.2	48	628
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.34	12881	-3698	9587	-2757	1614	-1295	55.4	34.6	70	1043
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.37	13027	-2762	11214	-2848	1420	-1353	52.3	37.7	82	668
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.37	13199	-2943	9571	-2954	1356	-1195	56.9	33.1	78	1355
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.37	13333	-2554	10741	-2968	1265	-1265	54.3	35.7	84	1808
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.37	12478	-2387	11302	-3066	1127	-1192	51.1	38.9	96	1075
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.59	13086	-3033	10546	-3142	1042	-1085	53.9	36.1	97	1546
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.59	12297	-3038	10805	-3160	1000	-1085	51.6	38.4	105	475
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.96	21.59	13068	-2970	10653	-3206	947	-1040	53.7	36.3	103	1203
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.59	13963	-1968	10244	-3286	726	-1017	57.1	32.9	102	2360
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.43	12260	-3226	11515	-3316	582	-1037	49.5	40.5	141	538
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.43	12908	-4626	11085	-3283	568	-1183	50.8	39.2	181	2652
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.43	12803	-3463	10694	-3277	526	-1211	52.6	37.4	156	1299
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.43	13120	-4022	11223	-3273	366	-1297	51.5	38.5	209	1971
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.32	12547	-3236	11354	-3277	193	-1349	50.6	39.4	214	1096
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.32	11947	-3433	11956	-3212	19	-1534	47.6	42.4	234	2580
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.32	11718	-4008	11389	-3065	-67	-1796	47.9	42.1	259	1500
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.27	11331	-2018	11551	-3030	-247	-1875	47.9	42.1	259	1396
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.96	21.27	11189	-2804	12520	-2916	-280	-2003	44.8	45.2	260	1092
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.27	11944	-3485	11632	-2789	-246	-2171	48.3	41.7	281	1515
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.27	11439	-3829	12558	-2625	-196	-2350	44.7	45.3	282	1420
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.47	11194	-2894	12755	-2540	-191	-2432	44.2	45.8	292	1505
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.47	11711	-2609	12135	-2548	-408	-2415	47.1	42.9	295	1039
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.47	12090	-2014	10853	-2531	-402	-2432	51.6	38.4	309	946
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.96	21.47	12747	-1147	11255	-2366	-280	-2579	52.3	37.7	336	1134
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.53	11336	-3289	13133	-2272	4	-2655	43.5	46.5	312	790
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.53	12003	-3479	11866	-2160	174	-2734	47.9	42.1	327	1669
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.53	11561	-3659	11844	-2092	358	-2761	46.7	43.3	333	1302
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.97	21.53	12288	-3706	11778	-2128	251	-2754	48.6	41.4	329	1934
2023-08-15 4:16	2023-08-14 23:16	21.5	Light D - Teardrop	4.99	21.47	12054	-2705	12563	-2109	250	-2758	46.8	43.2	344	1135
2023-08-15 4:16	2023-08-14 23:16	21.2	Light D - Teardrop	4.97	21.47										

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.35	15949	-3353	4465	-3121	1548	-103	74.2	15.8	66	1218
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.35	15472	-3324	5728	-3200	1419	-75	70.6	19.4	79	1523
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.35	15867	-3453	4665	-3204	1405	69	73.4	16.6	75	850
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.35	15796	-2703	2703	-3258	1316	17	79.5	10.5	51	1605
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.35	15672	-2887	4972	-3365	1067	153	73.7	16.3	85	1342
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.35	2152	10758	17936	13328	4536	444	6.5	83.5	119	-28996
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.4	15696	-2914	4565	-3403	969	337	74.7	15.3	87	888
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.4	15404	-2992	5111	-3446	859	353	72.8	17.2	90	1148
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.4	14935	-2662	5575	-3487	730	316	71.6	18.4	93	748
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.39	15664	-4579	5185	-3519	632	337	69.5	20.5	100	938
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.39	15414	-3217	5587	-3538	577	159	71.1	18.9	99	1117
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.39	16005	-2906	4981	-3589	351	233	73.9	16.1	101	1567
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.39	15107	-2889	5346	-3609	228	278	72.1	17.9	106	2154
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.28	15379	-3456	5380	-3614	222	179	71.2	18.8	124	1459
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.28	15780	-3706	4794	-3627	137	81	72.5	17.5	217	1907
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.28	14814	-3148	5716	-3619	-24	-222	70.2	19.8	252	2282
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.22	15796	-2219	6294	-3623	-292	-370	71.1	18.9	262	992
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.22	16221	-2820	3868	-3629	-348	-206	77	13	269	2762
2023-08-15 4:34	2023-08-14 23:34	21.5	Light B - Tuzyk	4.97	21.22	14890	-2928	6532	-3454	-424	-1005	68.4	21.6	273	2730
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.22	14760	-3396	6098	-3386	-329	-1194	68.7	21.3	277	797
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.96	21.47	14883	-2531	6902	-3299	-406	-1380	67.8	22.2	284	545
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.47	14985	-2580	6969	-3267	-303	-1456	67.7	22.3	288	1169
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.47	15254	-2117	6811	-3211	-285	-1569	69	21	297	1101
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.47	14469	-3393	8263	-3143	-191	-1678	62.3	27.7	286	1178
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.47	14966	-4067	6994	-3102	-34	-1726	65.4	24.6	290	887
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.99	21.69	14208	-2821	7427	-3011	46	-1852	65	25	307	613
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.69	14946	-3379	7399	-2921	180	-1950	65.4	24.6	310	571
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.69	14873	-3151	6387	-2920	215	-1933	68.4	21.6	312	694
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.96	21.69	13775	-3290	8707	-2773	379	-2094	60	30	326	1384
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.69	14581	-3556	7475	-2714	530	-2118	64.4	25.6	328	1226
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.68	14695	-3730	7563	-2709	759	-2043	64.1	25.9	338	1117
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.68	14824	-2998	7128	-2752	803	-1957	66.5	23.5	352	1905
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.68	14719	-3117	7608	-2779	734	-1957	64.8	25.2	349	529
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.68	14602	-2950	7900	-2719	840	-1983	64	26	2	1946
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.64	14772	-2511	7557	-2739	1001	-1882	65.8	24.2	19	792
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.64	14616	-3940	6896	-2688	1327	-1703	65.4	24.6	6	1476
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.64	14906	-4064	7931	-2682	1346	-1720	62.9	27.1	17	1023
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.64	15164	-2450	5906	-2874	1139	-1561	71.2	18.8	21	1189
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.64	15172	-2569	6103	-2786	1277	-1593	70.5	19.5	24	948
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.55	15256	-3567	7455	-2812	1400	-1423	65.4	24.6	35	825
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.55	15339	-3329	5968	-2865	1494	-1214	69.8	20.2	33	1584
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.55	15516	-2979	6021	-2900	1502	-1104	70.5	19.5	44	850
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.4	15322	-2286	5870	-2990	1419	-1003	71.7	18.3	55	905
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.4	15716	-2219	5031	-2996	1553	-738	74.7	15.3	57	2778
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.4	15313	-4142	5123	-2948	1721	-490	70.3	19.7	51	1767
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.4	15170	-4263	5988	-3023	1638	-436	67.8	22.2	65	1797
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.33	15656	-3197	4969	-3118	1509	-334	73	17	65	1308
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.33	15112	-3504	5577	-3112	1516	-300	70.3	19.7	71	1259
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.33	14849	-3364	6669	-3176	1445	-201	67.3	22.7	82	1258
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.33	15590	-4163	5896	-3222	1374	-58	68.8	21.2	81	1890
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.39	14843	-5385	4913	-3193	1448	169	67	23	81	836
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.39	15524	-3807	4778	-3344	1129	295	72	18	86	869
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.39	15922	-3686	4936	-3404	989	204	72.4	17.6	88	1147
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.39	15475	-4068	5663	-3437	861	206	69.4	20.6	94	1112
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.44	15199	-4203	5225	-3500	700	180	69.7	20.3	100	1835
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.44	15274	-4931	6088	-3490	728	152	66.3	23.7	105	1497
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.44	15070	-4106	5667	-3543	531	127	68.8	21.2	108	1410
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.33	16228	-4151	6934	-3554	434	-70	67.1	22.9	125	2077
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.33	14978	-3933	5280	-3607	205	-48	70	20	217	1317
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.33	14631	-3646	7128	-3593	145	-229	65.3	24.7	214	570
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.22	15176	-3736	5474	-3622	-37	-177	70.1	19.9	255	904
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.22	15465	-3785	5938	-3633	-112	-199	69.2	20.8	257	2175
2023-08-15 4:35	2023-08-14 23:35	21.5	Light B - Tuzyk	4.97	21.22	15462	-3126	5843	-3590	-223	-506	70.7	19.3	265	714
2023-08-15 4:35	2023-08-14 23:35	21.2	Light B - Tuzyk	4.97	21.22	14800	-4245	7305	-3516	-213	-800	64.1	25.9	263	2301
2023-08-15 4:35	2023-08-14 23:35	21.2	Light B - Tuzyk	4.97	21.34	16391	-1080	3935	-3417	-764	-1040	79.9	10.1	288	2108
2023-08-15 4:35	2023-08-14 23:35	21.2	Light B - Tuzyk	4.97	21.34	14867	-1780	7411	-3234	-665	-1487	67	23	288	938
2023-08-15 4:35	2023-08-14 23:35	21.2	Light B - Tuzyk	4.97	21.34	15135	-1609	7575	-3142	-471	-1670	67	23	300	1129
2023-08-15 4:35	2023-08-14 23:35	21.2	Light B - Tuzyk	4.97	21.34	14721	-1731	8638	-3062	-463	-1782	63.1	26.9	299	1004
2023-08-15 4:35	2023-08-14 23:35	21.2	Light B - Tuzyk	4.97	21.34	14434	-3297	8282	-2950	-186	-1947	62.3	27.7	297	1664
2023-08-15 4:35	2023-08-14 23:35	21.2	Light B - Tuzyk	4.97	21.69	14407	-2445	8521	-2832	17	-2096	62.5	27.5	321	1481
2023-08-15 4:35	2023-08-14 23:35	21.2	Light B - Tuzyk	4.97	21.69	14489	-2317	7554	-2801	122	-2121	65.6	24.4	328	1353
2023-08-15 4:35</															

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-08-15 4:36	2023-08-14 23:36	21.2	Light B - Tuzyk	4.97	21.3	13808	-1493	9628	-3242	-682	-1454	58.8	31.2	274	1492
2023-08-15 4:36	2023-08-14 23:36	21.2	Light B - Tuzyk	4.96	21.39	14198	-311	8864	-3131	-816	-1621	62	28	294	1406
2023-08-15 4:36	2023-08-14 23:36	21.2	Light B - Tuzyk	4.97	21.39	14382	-316	8923	-3159	-895	-1544	62.1	27.9	289	1117
2023-08-15 4:36	2023-08-14 23:36	21.2	Light B - Tuzyk	4.97	21.39	16202	552	7048	-3150	-1013	-1523	70.1	19.9	313	841
2023-08-15 4:36	2023-08-14 23:36	21.2	Light B - Tuzyk	4.97	21.39	14950	-1067	6531	-3141	-717	-1641	70.3	19.7	302	1392
2023-08-15 4:36	2023-08-14 23:36	21.2	Light B - Tuzyk	4.97	21.39	14471	-689	7027	-3058	-490	-1790	68.2	21.8	320	2537
2023-08-15 4:36	2023-08-14 23:36	21.2	Light B - Tuzyk	4.97	21.69	15107	-509	6838	-2989	-404	-1902	69.7	20.3	334	1284
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.69	14867	-1107	6361	-2913	-94	-1997	70.7	19.3	339	1251
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.69	14585	-2680	7677	-2857	292	-2010	65	25	329	1546
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.96	21.69	14770	-2638	8408	-2747	497	-2092	63.2	26.8	348	1718
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.69	15497	-2711	6950	-2736	689	-2034	68.2	21.8	350	1950
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.66	15198	-3451	7010	-2787	960	-1821	66.7	23.3	354	1921
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.66	15000	-2583	6916	-2812	1133	-1663	67.9	22.1	25	1320
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.66	15546	-2339	6522	-2791	1327	-1530	70	20	36	2337
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.66	15058	-2821	6686	-2797	1424	-1437	68.3	21.7	37	1539
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.96	21.47	14710	-3342	7629	-2797	1591	-1231	64.5	25.5	53	1705
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.47	14417	-4671	7223	-2877	1604	-1018	63	27	49	1815
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.47	15324	-3442	7139	-2889	1655	-887	66.5	23.5	61	2332
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.34	14642	-4560	6042	-3035	1589	-518	66.3	23.7	63	2436
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.34	15054	-4025	7678	-3115	1487	-455	63.9	26.1	80	3029
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.34	15674	-2386	6911	-3197	1338	-405	68.9	21.1	81	1528
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.34	14379	-3993	8358	-3252	1183	-482	61.1	28.9	92	1134
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.47	14501	-3890	6473	-3338	1076	-238	66.4	23.6	90	367
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.47	14800	-4016	6931	-3376	949	-289	65.4	24.6	96	1359
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.47	14532	-3267	8360	-3463	656	-396	62.3	27.7	111	1193
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.47	14991	-2940	7902	-3508	440	-444	64.6	25.4	126	966
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.37	13924	-4543	7687	-3547	216	-465	61.2	28.8	226	1276
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.96	21.37	14917	-3008	7282	-3578	126	-379	66.2	23.8	219	1156
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.37	14117	-2717	8706	-3579	-263	-592	61.2	28.8	248	1198
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.96	21.25	14297	-2495	8932	-3441	-443	-1066	61.1	28.9	264	1303
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.25	16048	-2153	7438	-3344	-577	-1282	68.1	21.9	282	5298
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.25	13046	-3543	8974	-2823	-825	-2034	57.6	32.4	285	4184
2023-08-15 4:36	2023-08-14 23:36	20.9	Light B - Tuzyk	4.97	21.25	12926	493	15985	-2897	-744	-2003	41.9	48.1	248	17142
2023-08-15 4:59	2023-08-14 23:59	24.1	Light A - Dixie	4.97	22.52	3400	-2012	16634	-1715	978	-3272	13.1	76.9	124	1655
2023-08-15 4:59	2023-08-14 23:59	24.1	Light A - Dixie	4.97	22.52	3233	-4187	17283	-1782	1198	-3149	11.8	78.2	141	2105
2023-08-15 4:59	2023-08-14 23:59	24.1	Light A - Dixie	4.97	22.52	3845	-4271	16854	-1667	939	-3302	14.1	75.9	152	567
2023-08-15 4:59	2023-08-14 23:59	24.1	Light A - Dixie	4.97	22.52	3921	-2826	16799	-1612	524	-3414	14.7	75.3	160	1666
2023-08-15 4:59	2023-08-14 23:59	24.1	Light A - Dixie	4.96	22.52	4226	-3128	16693	-1621	351	-3433	15.8	74.2	202	1113
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	22.52	3645	-3769	16462	-1565	181	-3467	13.9	76.1	231	2531
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	22.52	4267	-3343	17220	-1275	165	-3591	15.4	74.6	270	1450
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	22.52	3282	-4174	16339	-981	81	-3675	12.6	77.4	279	2036
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	22.52	4792	-2118	16775	-957	-7	-3669	17.8	72.2	330	1416
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	22.52	4998	-4582	15678	-517	181	-3775	19.1	70.9	325	2341
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	22.52	5192	-1911	17415	-220	376	-3814	18.5	71.5	9	1193
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	22.52	4943	-3226	15918	52	735	-3805	19	71	8	477
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	22.9	3966	-3649	17089	115	974	-3770	14.5	75.5	17	1257
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	22.9	5085	-2146	16554	-15	1228	-3727	19	71	34	1045
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	22.9	5018	-3103	16000	-224	1401	-3664	19.2	70.8	35	753
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	22.9	3623	-3282	16185	-814	1697	-3429	14.1	75.9	69	1976
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	22.9	3352	-1905	17111	-1333	1407	-3339	12.5	77.5	97	740
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.96	22.9	4567	-1430	16699	-1866	939	-3190	17.1	72.9	114	1089
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	22.16	6945	-2618	15137	-2178	549	-3038	27	63	121	1588
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.96	22.16	7390	-2863	14740	-2423	111	-2881	29.1	60.9	237	2041
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	22.16	6219	-1436	16310	-2074	-27	-3147	23.1	66.9	208	2235
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	22.16	6157	-3213	17558	-1786	-242	-3331	21.2	68.8	260	2079
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	22.16	7741	-1085	15010	-1386	-155	-3530	30.1	59.9	346	1260
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	22.16	7434	-3861	15447	-967	145	-3679	27.7	62.3	331	1562
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	21.95	7012	-3973	15364	-750	496	-3732	26.5	63.5	348	1094
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	21.95	7196	-1394	15864	-575	859	-3739	26.9	63.1	29	1135
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	21.95	4144	-3408	17891	-652	1388	-3597	14.5	75.5	56	1161
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	21.95	6961	-769	14976	-1077	1613	-3365	27.6	62.4	59	1197
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	21.47	5999	-4161	15723	-1543	1705	-3083	22.6	67.4	70	1697
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	21.47	8146	-758	15601	-2167	1161	-2868	30.3	59.7	84	1267
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	21.47	6322	188	16733	-2298	691	-2905	22.9	67.1	114	1154
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	21.47	6474	-1907	16479	-2455	53	-2852	23.7	66.3	193	1571
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.99	21.47	8982	-299	14053	-2407	-262	-2869	35.8	54.2	325	842
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	21.72	7823	-3662	15000	-1901	-161	-3266	29.7	60.3	289	551
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	21.72	8285	-1073	15708	-1651	-326	-3387	30.5	59.5	328	1379
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.96	21.72	6926	-3510	16230	-1041	-102	-3646	25.1	64.9	319	1386
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	21.72	7271	135	15049	-883	221	-3700	28.5	61.5	23	2263
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie	4.97	21.72	8238	-1896	14762	-821	625	-3707	32	58	15	1236
2023-08-15 5:00	2023-08-15 0:00	24.1	Light A - Dixie</												

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-08-15 5:01	2023-08-15 0:01	23.8	Light A - Dixie	4.97	21.53	13558	-2244	10287	-2860	1126	-2090	56.1	33.9	50	688
2023-08-15 5:01	2023-08-15 0:01	23.8	Light A - Dixie	4.97	21.42	13032	333	10600	-3037	1079	-1808	54.7	35.3	80	883
2023-08-15 5:01	2023-08-15 0:01	23.8	Light A - Dixie	4.97	21.42	10207	-2646	15810	-3049	724	-1982	35.5	54.5	138	1533
2023-08-15 5:01	2023-08-15 0:01	23.8	Light A - Dixie	4.96	21.42	12031	1578	13727	-3235	151	-1839	44.2	45.8	118	1295
2023-08-15 5:01	2023-08-15 0:01	23.8	Light A - Dixie	4.97	21.42	11051	-1935	13168	-3077	-257	-2108	43.2	46.8	245	815
2023-08-15 5:01	2023-08-15 0:01	23.8	Light A - Dixie	4.97	21.34	11011	773	12498	-2854	-602	-2367	44.8	45.2	299	320
2023-08-15 5:01	2023-08-15 0:01	23.8	Light A - Dixie	4.97	21.34	11371	-2097	13981	-2365	-601	-2866	42.2	47.8	301	1848
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.34	11805	872	11291	-1980	-290	-3215	49.9	40.1	11	3520
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.34	10872	-221	12532	-1767	332	-3358	44.5	45.5	22	657
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.45	10361	-2117	12795	-1697	1094	-3262	42.2	47.8	28	1140
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.45	11354	-552	13685	-1720	1390	-3117	43	47	48	1976
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.96	21.45	10423	-2627	13188	-2182	1509	-2676	41.3	48.7	56	1494
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.31	10488	-1993	12311	-2638	1184	-2354	43.8	46.2	72	1770
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.31	11148	167	14498	-2833	958	-2199	40.7	49.3	94	1452
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.31	9865	-3416	13572	-2964	509	-2182	38.6	51.4	180	1776
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.31	10130	-545	14377	-2879	96	-2376	38.4	51.6	141	1079
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.35	10589	-2685	12705	-2825	-78	-2459	42.8	47.2	276	475
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.96	21.35	9458	-2882	14086	-2338	-270	-2943	36.6	53.4	290	1715
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.35	10037	-1412	13760	-2025	-233	-3186	39.3	50.7	333	1845
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.96	21.35	9143	-3093	14898	-1622	-92	-3427	34.1	55.9	321	175
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.47	9378	-206	14401	-1227	266	-3602	36.2	53.8	20	743
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.47	8356	-2596	15172	-1024	1010	-3584	31.4	58.6	26	599
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.47	8935	185	15555	-1381	1373	-3323	32.7	57.3	60	1211
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.28	8546	-2709	15136	-1756	1606	-2975	32	58	60	1654
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.28	10191	-2999	14471	-2504	1123	-2542	37.8	52.2	77	617
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.96	21.28	10626	-205	13665	-2797	786	-2315	41.2	48.8	91	861
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.28	10250	-2770	14155	-2813	25	-2451	38.7	51.3	248	1085
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.96	21.37	9741	-1147	14964	-2611	-361	-2689	36.1	53.9	263	1230
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.37	9837	-2321	13686	-2079	-310	-3139	38.7	51.3	314	1376
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.37	11076	-1106	12571	-1715	28	-3385	44.9	45.1	357	1481
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.4	10483	-642	13297	-1462	794	-3462	41.7	48.3	31	1315
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.4	9297	-2647	14877	-1794	1264	-3130	34.7	55.3	46	945
2023-08-15 5:01	2023-08-15 0:01	23.5	Light A - Dixie	4.97	21.4	8094	-162	15081	-2120	1412	-2788	31.1	58.9	83	2252
2023-08-15 5:01	2023-08-15 0:01	23.2	Light A - Dixie	4.96	21.4	4476	-3890	16990	-763	2194	-3151	16.2	73.8	66	4145
2023-08-15 5:01	2023-08-15 0:01	23.2	Light A - Dixie	4.97	21.4	6019	3197	20195	-1101	1436	-3430	20.1	69.9	79	11308
2023-08-15 5:01	2023-08-15 0:01	23.2	Light A - Dixie	4.96	21.57	7943	878	15809	-1441	697	-3476	29.3	60.7	59	5091
2023-08-15 5:01	2023-08-15 0:01	23.2	Light A - Dixie	4.97	21.57	6066	8551	12751	-1303	-1014	-3348	23.2	66.8	73	4412
2023-09-13 2:39	2023-09-12 21:39	19.3	Light C - Tote	4.97	20.38	12986	-1324	10458	-3392	116	-1596	54.9	35.1	170	2344
2023-09-13 2:39	2023-09-12 21:39	19.3	Light C - Tote	4.97	20.38	11343	-711	11567	-3216	-114	-1955	48.2	41.8	212	3975
2023-09-13 2:39	2023-09-12 21:39	19.3	Light C - Tote	4.97	20.34	10861	418	12963	-3154	-209	-2057	43.4	46.6	164	1682
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.96	20.34	11082	-2208	12828	-3161	-138	-2045	44	46	239	3138
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.97	20.34	12950	-2160	11691	-3278	-409	-1819	51.2	38.8	263	1690
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.96	20.35	12936	-1771	10206	-3194	-300	-1994	55.4	34.6	289	2689
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.96	20.34	12608	-3250	11181	-3096	-272	-2148	51.1	38.9	279	1734
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.96	20.34	10902	-3012	13342	-2924	-425	-2369	42	48	266	2460
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.97	20.23	11773	-1393	11520	-2830	-230	-2506	49.3	40.7	315	1992
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.97	20.04	12186	-2826	12947	-2538	-353	-2791	46.2	43.8	304	1543
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.97	19.68	11876	-2320	13259	-2420	-266	-2907	44.9	45.1	316	970
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.97	19.55	11598	-2465	13656	-2297	-167	-3023	43.3	46.7	321	1264
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.97	19.43	12329	-2307	12186	-2347	-96	-2994	48.5	41.5	330	734
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.96	19.34	12957	-1683	10089	-2244	22	-3070	55.8	34.2	346	1595
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.97	19.17	12581	-116	12688	-2037	41	-3220	48.3	41.7	11	2601
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.97	18.96	11735	-940	12579	-1932	203	-3290	46.6	43.4	7	1210
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.97	18.96	14133	-273	9939	-2032	512	-3193	58.7	31.3	20	1793
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.96	18.93	11970	-3241	12283	-2021	764	-3146	47	43	360	3219
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.97	18.91	12399	-2371	11338	-1945	928	-3154	50.8	39.2	13	1590
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.96	18.84	12170	-1238	11300	-1985	944	-3125	50.8	39.2	27	967
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.97	18.83	12766	96	12442	-2058	1061	-3021	49.3	40.7	46	2760
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.97	18.79	12261	-1991	11986	-2023	1385	-2900	49	41	37	1071
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.96	18.82	11732	-1889	12589	-2171	1549	-2679	46.3	43.7	52	2590
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.96	18.81	12453	-1669	12693	-2188	1512	-2679	47.8	42.2	51	2875
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.97	18.91	10589	-1529	14154	-2383	1465	-2525	40	50	73	2179
2023-09-13 2:39	2023-09-12 21:39	19	Light C - Tote	4.96	19.17	11989	-2384	12527	-2497	1468	-2376	46.9	43.1	60	1368
2023-09-13 2:40	2023-09-12 21:40	19	Light C - Tote	4.97	19.34	12035	-2483	11497	-2556	1494	-2275	49.5	40.5	57	1165
2023-09-13 2:40	2023-09-12 21:40	19	Light C - Tote	4.96	19.45	11781	-317	11018	-2660	1386	-2217	50.8	39.2	70	2014
2023-09-13 2:40	2023-09-12 21:40	19	Light C - Tote	4.97	19.67	12018	-2623	12592	-2700	1292	-2220	46.7	43.3	68	2087
2023-09-13 2:40	2023-09-12 21:40	19	Light C - Tote	4.96	19.86	11426	-3169	11593	-2870	1284	-1971	47.4	42.6	76	1381
2023-09-13 2:40	2023-09-12 21:40	19	Light C - Tote	4.97	20.02	11378	-2333	14002	-2881	1171	-2035	42.1	47.9	94	982
2023-09-13 2:40	2023-09-12 21:40	19	Light C - Tote	4.96	20.02	11427	-1669	11201	-3002	1084	-1900	49.2	40.8	83	2712
2023-09-13 2:40	2023-09-12 21:40	19	Light C - Tote	4.97	20.18	11743	-2850	12615	-3047	1045	-1839	45.9	44.1	97	705
2023-09-13 2:40	2023-09-12 21:40	19	Light C - Tote	4.96	20.32	11678	-2765	12961	-3190	855	-1680	44.9	45.1	117	2771
2023-09-13 2:40	2023-09-12 21:40	19	Light C - Tote	4.97	20.32	12436	-1410</								

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-09-13 2:40	2023-09-12 21:40	18.6	Light C - Tote	4.96	18.98	10210	-772	14843	-1474	556	-3501	37.6	52.4	28	1567
2023-09-13 2:40	2023-09-12 21:40	18.6	Light C - Tote	4.96	18.98	10669	-2761	13853	-1503	705	-3455	40.4	49.6	8	728
2023-09-13 2:40	2023-09-12 21:40	18.6	Light C - Tote	4.97	18.89	11508	-4101	12386	-1494	970	-3411	45	45	358	1456
2023-09-13 2:40	2023-09-12 21:40	18.6	Light C - Tote	4.97	18.93	10228	-2404	14223	-1367	930	-3478	38.6	51.4	21	1471
2023-09-13 2:40	2023-09-12 21:40	18.6	Light C - Tote	4.97	18.89	10383	-2910	16708	-1368	1084	-3437	34.3	55.7	30	3707
2023-09-13 2:40	2023-09-12 21:40	18.6	Light C - Tote	4.97	18.81	10096	-3496	13805	-1382	1242	-3378	38.7	51.3	20	655
2023-09-13 2:40	2023-09-12 21:40	18.6	Light C - Tote	4.96	18.74	10161	-2525	13144	-1377	1348	-3341	40.7	49.3	29	744
2023-09-13 2:40	2023-09-12 21:40	18.6	Light C - Tote	4.97	18.71	9893	-1817	13984	-1366	1394	-3324	38.4	51.6	39	2836
2023-09-13 2:40	2023-09-12 21:40	18.6	Light C - Tote	4.96	18.66	10057	-2710	13484	-1480	1533	-3201	39.6	50.4	35	784
2023-09-13 2:40	2023-09-12 21:40	18.6	Light C - Tote	4.96	18.58	9435	-3917	14509	-1489	1654	-3156	35.2	54.8	36	1378
2023-09-13 2:40	2023-09-12 21:40	18.6	Light C - Tote	4.97	18.57	9408	-2986	14707	-1427	1619	-3199	35.2	54.8	42	1226
2023-09-13 2:40	2023-09-12 21:40	18.3	Light C - Tote	4.96	18.55	8528	-2165	15030	-1439	1684	-3150	32.3	57.7	54	304
2023-09-13 2:40	2023-09-12 21:40	18.3	Light C - Tote	4.96	18.63	8762	-3434	15489	-1597	1762	-3001	31.8	58.2	54	683
2023-09-13 2:40	2023-09-12 21:40	18.3	Light C - Tote	4.97	18.84	9048	-4900	15056	-1749	1906	-2808	32.7	57.3	52	1278
2023-09-13 2:40	2023-09-12 21:40	18.3	Light C - Tote	4.97	19	8898	-2468	13380	-1926	1797	-2751	36.6	53.4	62	1721
2023-09-13 2:40	2023-09-12 21:40	18.3	Light C - Tote	4.96	19.32	8263	-3889	14018	-1853	1770	-2812	32.7	57.3	58	2002
2023-09-13 2:40	2023-09-12 21:40	18.3	Light C - Tote	4.97	19.34	8598	-4004	16269	-2026	1748	-2684	29.9	60.1	78	1663
2023-09-13 2:40	2023-09-12 21:40	18.3	Light C - Tote	4.96	19.78	8016	-4186	15853	-2059	1737	-2656	28.7	61.3	82	2076
2023-09-13 2:40	2023-09-12 21:40	18.3	Light C - Tote	4.97	19.79	9690	-2110	14151	-2331	1514	-2534	37.4	52.6	76	2085
2023-09-13 2:40	2023-09-12 21:40	18.3	Light C - Tote	4.96	19.78	8410	-3479	16488	-2211	1427	-2711	29.2	60.8	89	2347
2023-09-13 2:40	2023-09-12 21:40	18.3	Light C - Tote	4.97	20.01	9283	-3175	14022	-2365	1414	-2564	36.1	53.9	76	760
2023-09-13 2:40	2023-09-12 21:40	18.3	Light C - Tote	4.96	20.14	7929	-2869	15268	-2445	1338	-2518	29.9	60.1	102	1660
2023-09-13 2:40	2023-09-12 21:40	18.3	Light C - Tote	4.96	20.14	10551	-1196	12594	-2717	1116	-2314	43.5	46.5	79	1590
2023-09-13 2:40	2023-09-12 21:40	18.3	Light C - Tote	4.97	20.23	9433	-2142	14756	-2709	986	-2396	35.4	54.6	104	1726
2023-09-13 2:40	2023-09-12 21:40	18.3	Light C - Tote	4.97	20.34	10017	-4895	13685	-2685	1120	-2369	37.8	52.2	99	997
2023-09-13 2:40	2023-09-12 21:40	18.3	Light C - Tote	4.96	20.34	9498	-1941	15119	-2704	906	-2434	35	55	106	1075
2023-09-13 2:41	2023-09-12 21:41	18.3	Light C - Tote	4.97	20.52	10363	-2074	14373	-2708	776	-2479	38.8	51.2	91	2042
2023-09-13 2:41	2023-09-12 21:41	18.3	Light C - Tote	4.96	20.52	9699	-2864	13821	-2805	627	-2415	37.8	52.2	129	681
2023-09-13 2:41	2023-09-12 21:41	18.3	Light C - Tote	4.97	20.62	8909	-1864	14859	-2817	509	-2425	33.8	56.2	139	1675
2023-09-13 2:41	2023-09-12 21:41	18.3	Light C - Tote	4.97	20.62	9018	-959	14285	-2839	418	-2435	35.4	54.6	126	329
2023-09-13 2:41	2023-09-12 21:41	18.3	Light C - Tote	4.97	20.5	10612	-2788	13771	-2879	352	-2385	40.5	49.5	206	3281
2023-09-13 2:41	2023-09-12 21:41	18.3	Light C - Tote	4.96	20.33	9329	-3728	14438	-2775	316	-2533	35.2	54.8	228	1759
2023-09-13 2:41	2023-09-12 21:41	18.3	Light C - Tote	4.97	20.3	8028	-602	16402	-2696	-63	-2645	28.7	61.3	177	1713
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.96	20.3	9722	-1015	13836	-2462	122	-2876	38.4	51.6	19	6766
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.97	20.32	10855	-2406	13743	-2788	-210	-2542	41.3	48.7	274	1143
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.96	20.29	10211	-2489	12823	-2822	-285	-2501	41.6	48.4	272	725
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.96	20.28	10892	-991	14243	-2707	-405	-2608	40.6	49.4	283	721
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.96	20.25	11049	-2473	12404	-2652	-435	-2682	44.8	45.2	293	666
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.96	20.17	10943	-1922	13393	-2490	-374	-2843	42.5	47.5	305	558
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.97	20.02	10293	-2422	14140	-2311	-449	-2981	39	51	299	284
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.96	19.87	9836	-2942	13706	-2325	-371	-2983	38.4	51.6	295	759
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.97	19.75	11083	-623	13121	-2205	-338	-3078	43.7	46.3	343	1010
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.96	19.66	10440	-2550	13632	-1943	-162	-3273	40.4	49.6	325	1156
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.97	19.49	9696	-2093	13827	-1608	125	-3468	38.1	51.9	349	1408
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.96	19.37	9878	-1139	14134	-1549	81	-3490	38.1	51.9	1	883
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.96	19.2	9559	-3701	13594	-1519	323	-3499	37.5	52.5	337	1758
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.96	19.08	10111	-2545	14598	-1490	305	-3514	37.5	52.5	354	1274
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.97	19.07	10382	-1347	12853	-1396	647	-3523	42.4	47.6	18	763
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.96	19.13	10183	-2681	13782	-1304	859	-3518	39.3	50.7	14	2152
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.97	19.1	9341	-4990	13811	-1246	1190	-3460	35.6	54.4	2	1734
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.96	19.11	9598	-3100	14117	-1150	1199	-3491	36.8	53.2	22	1553
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.96	19.06	8754	-3743	14871	-970	1431	-3481	32.7	57.3	26	869
2023-09-13 2:41	2023-09-12 21:41	18	Light C - Tote	4.96	19.03	8482	-3818	14999	-936	1477	-3466	31.7	58.3	27	1324
2023-09-13 2:41	2023-09-12 21:41	17.7	Light C - Tote	4.96	18.88	8359	-3897	14957	-1034	1628	-3378	31.3	58.7	33	945
2023-09-13 2:41	2023-09-12 21:41	17.7	Light C - Tote	4.96	18.78	9173	-2981	14500	-1094	1710	-3316	34.9	55.1	38	776
2023-09-13 2:41	2023-09-12 21:41	17.7	Light C - Tote	4.97	18.63	7704	-3113	15117	-1230	1661	-3282	29.4	60.6	47	715
2023-09-13 2:41	2023-09-12 21:41	17.7	Light C - Tote	4.96	18.56	8554	-2542	15145	-1347	1703	-3191	32.1	57.9	50	1136
2023-09-13 2:41	2023-09-12 21:41	17.7	Light C - Tote	4.97	18.55	9093	-2846	13555	-1397	1725	-3151	36.6	53.4	41	1238
2023-09-13 2:41	2023-09-12 21:41	17.7	Light C - Tote	4.96	18.58	8175	-1703	14697	-1611	1536	-3124	31.9	58.1	59	270
2023-09-13 2:41	2023-09-12 21:41	17.7	Light C - Tote	4.96	18.62	8616	-1351	15219	-1577	1564	-3129	32.4	57.6	60	1209
2023-09-13 2:41	2023-09-12 21:41	17.7	Light C - Tote	4.97	18.73	9771	-1444	14383	-1663	1694	-2996	37.3	52.7	56	1382
2023-09-13 2:41	2023-09-12 21:41	17.7	Light C - Tote	4.97	19.38	8213	-2419	14772	-1992	1486	-2878	31.7	58.3	70	1536
2023-09-13 2:41	2023-09-12 21:41	17.7	Light C - Tote	4.96	19.69	8381	-2469	14764	-1975	1543	-2864	32.3	57.7	69	919
2023-09-13 2:41	2023-09-12 21:41	17.7	Light C - Tote	4.96	19.78	8147	-1884	15811	-2136	1492	-2746	29.9	60.1	85	2577
2023-09-13 2:41	2023-09-12 21:41	17.7	Light C - Tote	4.96	20.15	8039	-2558	14815	-2300	1221	-2730	31.1	58.9	88	1317
2023-09-13 2:41	2023-09-12 21:41	17.7	Light C - Tote	4.97	20.15	7706	-2362	14388	-2266	1231	-2771	30.9	59.1	87	904
2023-09-13 2:41	2023-09-12 21:41	17.7	Light C - Tote	4.96	20.51	8099	-1799	15764	-2361	1083	-2731	29.8	60.2	97	340
2023-09-13 2:41	2023-09-12 21:41	17.7	Light C - Tote	4.96	20.51	8089	-2211	15464	-2474	852	-2716	30.2	59.8	109	1147
2023-09-13 2:41	2023-09-12 21:41	17.7	Light C - Tote	4.96	20.81	6681	-3366	16524	-2470	795	-2751	24	66	150	1070
2023-09-13 2:41	2023-09-12 21:41	17.7	Light C - Tote	4.96	20.81	8690	-3000	13584	-2587	732	-2641	35.3	54.7	103	910
2023-09-13 2:41	2023-09-12 21:41	17.4	Light C - Tote	4.96	20.72	8546	-2373	15235	-2493	596	-2781	31.9	58.1	115	1028
2023-09-13 2:41	2023-09-12 21:41	17													

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-09-13 3:11	2023-09-12 22:11	16.4	Light D - Teardrop	4.96	20.41	10402	-1528	12546	-2635	1061	-2403	43.1	46.9	74	1634
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.97	20.52	10755	-2156	14112	-2797	781	-2316	40.3	49.7	96	1211
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.96	20.52	10088	-1324	14419	-2813	760	-2312	38.1	51.9	104	2220
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.97	20.6	10024	-2192	16008	-2863	440	-2344	34.7	55.3	149	2214
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.96	20.6	10427	-330	14314	-2843	447	-2374	39.3	50.7	104	2744
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.97	20.51	9675	-834	14204	-2884	99	-2384	37.4	52.6	155	1149
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.96	20.51	10127	-705	15467	-2897	34	-2373	36.2	53.8	164	2449
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.96	20.56	10329	-2556	14005	-2801	-237	-2489	39.3	50.7	261	2658
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.97	20.62	10604	-980	13374	-2614	-231	-2700	41.8	48.2	315	661
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.97	20.62	9720	-2327	15209	-2434	-555	-2813	35.3	54.7	276	4588
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.96	20.43	8485	-580	14677	-2241	-619	-2944	33	57	288	1443
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.97	20.43	8338	-156	15358	-2002	-610	-3133	31.3	58.7	308	3623
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.96	20.64	8195	-1552	15569	-1928	-513	-3207	30.5	59.5	296	1797
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.97	20.34	7978	-97	14959	-1681	-479	-3343	30.9	59.1	335	1818
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.96	19.85	8008	-1597	15487	-1501	-448	-3422	30	60	318	986
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.97	19.24	8437	-450	15416	-1383	-404	-3475	31.5	58.5	342	1947
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.97	19.09	8007	-1213	14618	-1222	-292	-3544	31.6	58.4	340	2066
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.96	19.06	7416	-1006	15885	-909	-133	-3651	27.6	62.4	353	2202
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.96	19.16	7113	-939	15702	-776	11	-3696	26.9	63.1	1	1679
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.97	19.31	1572	9736	18194	-31356	3864	412	5	85	68	12988
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.96	19.32	7495	-1472	14805	-705	502	-3709	29.6	60.4	15	1462
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.97	19.29	7429	-1453	16712	-728	751	-3680	26.4	63.6	29	1940
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.96	19.17	7594	-1225	15589	-813	981	-3624	28.6	61.4	36	973
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.97	19.11	7573	-2324	15241	-881	1388	-3477	29	61	40	995
2023-09-13 3:12	2023-09-12 22:12	16.4	Light D - Teardrop	4.96	18.98	8751	-3421	14745	-1092	1504	-3372	33.1	56.9	32	2155
2023-09-13 3:12	2023-09-12 22:12	16.1	Light D - Teardrop	4.97	19.02	8651	-1637	13902	-1254	1546	-3277	35	55	46	1700
2023-09-13 3:12	2023-09-12 22:12	16.1	Light D - Teardrop	4.96	19.18	8200	-1839	13800	-1465	1548	-3168	33.7	56.3	51	1379
2023-09-13 3:12	2023-09-12 22:12	16.1	Light D - Teardrop	4.97	19.56	8343	-2493	14965	-1681	1521	-3038	31.8	58.2	57	2100
2023-09-13 3:12	2023-09-12 22:12	16.1	Light D - Teardrop	4.96	19.97	8507	-2510	14895	-1884	1558	-2888	32.4	57.6	65	1433
2023-09-13 3:12	2023-09-12 22:12	16.1	Light D - Teardrop	4.97	19.97	8676	-742	14758	-2101	1367	-2798	33.4	56.6	76	1589
2023-09-13 3:12	2023-09-12 22:12	16.1	Light D - Teardrop	4.96	20.62	7906	-1646	15513	-2134	1266	-2807	29.7	60.3	85	1685
2023-09-13 3:12	2023-09-12 22:12	16.1	Light D - Teardrop	4.97	20.49	8684	-1591	14648	-2279	1289	-2681	33.6	56.4	82	2146
2023-09-13 3:12	2023-09-12 22:12	16.1	Light D - Teardrop	4.96	20.49	8758	-1657	14239	-2483	999	-2600	34.6	55.4	90	2780
2023-09-13 3:12	2023-09-12 22:12	16.1	Light D - Teardrop	4.97	20.56	8698	-524	15142	-2570	808	-2588	32.8	57.2	101	1361
2023-09-13 3:12	2023-09-12 22:12	16.1	Light D - Teardrop	4.96	20.56	8932	-857	13305	-2588	673	-2620	37.2	52.8	87	1194
2023-09-13 3:12	2023-09-12 22:12	16.1	Light D - Teardrop	4.96	20.73	8468	-898	14546	-2631	579	-2592	33.2	56.8	111	2038
2023-09-13 3:12	2023-09-12 22:12	16.1	Light D - Teardrop	4.96	20.73	8623	-1494	14640	-2657	355	-2625	33.4	56.6	135	2728
2023-09-13 3:12	2023-09-12 22:12	16.1	Light D - Teardrop	4.96	20.6	8719	-1217	15680	-2646	371	-2638	31.9	58.1	133	1750
2023-09-13 3:12	2023-09-12 22:12	16.1	Light D - Teardrop	4.96	20.6	8025	-2248	16269	-2622	173	-2690	28.7	61.3	189	1103
2023-09-13 3:12	2023-09-12 22:12	16.1	Light D - Teardrop	4.96	20.65	10129	-1335	14160	-2646	102	-2668	38.7	51.3	6	3231
2023-09-13 3:12	2023-09-12 22:12	16.1	Light D - Teardrop	4.96	20.65	8910	-1653	15472	-2584	-174	-2728	32.7	57.3	238	2917
2023-09-13 3:12	2023-09-12 22:12	16.1	Light D - Teardrop	4.96	20.77	8592	-1784	16043	-2626	-123	-2687	30.8	59.2	219	2560
2023-09-13 3:12	2023-09-12 22:12	15.7	Light D - Teardrop	4.96	20.77	9757	-1992	12829	-2580	-321	-2724	40.5	49.5	290	937
2023-09-13 3:12	2023-09-12 22:12	15.7	Light D - Teardrop	4.97	20.47	9580	-914	13967	-2429	-488	-2847	37.7	52.3	297	760
2023-09-13 3:12	2023-09-12 22:12	15.7	Light D - Teardrop	4.96	20.48	8976	-2555	15785	-2145	-484	-3058	32.2	57.8	286	1020
2023-09-13 3:12	2023-09-12 22:12	15.7	Light D - Teardrop	4.96	20.48	9744	-1987	14741	-2058	-520	-3121	36.4	53.6	306	1831
2023-09-13 3:12	2023-09-12 22:12	15.7	Light D - Teardrop	4.97	20.34	9250	-1568	15516	-1826	-496	-3262	33.6	56.4	313	1431
2023-09-13 3:12	2023-09-12 22:12	15.7	Light D - Teardrop	4.97	19.64	9260	-1633	14800	-1763	-404	-3317	35	55	321	1507
2023-09-13 3:12	2023-09-12 22:12	15.7	Light D - Teardrop	4.96	19.37	9001	-581	14918	-1580	-233	-3426	34.1	55.9	350	1604
2023-09-13 3:12	2023-09-12 22:12	15.7	Light D - Teardrop	4.96	19.21	10041	-1614	13733	-1522	-257	-3450	39.4	50.6	338	1572
2023-09-13 3:12	2023-09-12 22:12	15.7	Light D - Teardrop	4.96	19.08	8884	-1948	15222	-1349	-19	-3539	33	57	345	1934
2023-09-13 3:12	2023-09-12 22:12	15.7	Light D - Teardrop	4.96	18.99	9541	-2299	18125	-6088	4052	408	30.5	59.5	91	1208
2023-09-13 3:12	2023-09-12 22:12	15.7	Light D - Teardrop	4.96	18.98	8737	-31	15166	-1240	293	-3592	32.8	57.2	26	1674
2023-09-13 3:12	2023-09-12 22:12	15.7	Light D - Teardrop	4.96	18.98	7919	185	13773	-1161	397	-3607	33	57	31	7241
2023-09-13 3:12	2023-09-12 22:12	15.7	Light D - Teardrop	4.96	19.01	9084	-1325	14028	-1196	671	-3573	36.1	53.9	23	1516
2023-09-13 3:12	2023-09-12 22:12	15.7	Light D - Teardrop	4.96	18.97	9801	-2484	13269	-1225	1020	-3487	39.5	50.5	19	2355
2023-09-13 3:12	2023-09-12 22:12	15.7	Light D - Teardrop	4.96	18.88	10295	-509	13733	-1626	1112	-3261	40.2	49.8	45	1973
2023-09-13 3:12	2023-09-12 22:12	15.7	Light D - Teardrop	4.96	18.96	9317	-2623	15815	-1676	1377	-3135	33.1	56.9	50	2876
2023-09-13 3:12	2023-09-12 22:12	15.7	Light D - Teardrop	4.96	19.02	10202	-1140	12617	-1810	1461	-2992	42.5	47.5	49	1518
2023-09-13 3:12	2023-09-12 22:12	15.4	Light D - Teardrop	4.96	19.34	10129	-2109	14028	-2003	1514	-2819	38.9	51.1	57	1385
2023-09-13 3:12	2023-09-12 22:12	15.4	Light D - Teardrop	4.96	19.48	11243	-1801	12679	-2284	1413	-2611	44.9	45.1	56	1015
2023-09-13 3:13	2023-09-12 22:13	15.4	Light D - Teardrop	4.97	19.81	10801	-1278	12812	-2424	1369	-2485	43.6	46.4	68	3158
2023-09-13 3:13	2023-09-12 22:13	15.4	Light D - Teardrop	4.96	20.26	11064	-1660	12675	-2799	955	-2247	44.5	45.5	80	1087
2023-09-13 3:13	2023-09-12 22:13	15.4	Light D - Teardrop	4.96	20.39	10890	-1193	13304	-2961	743	-2113	42.7	47.3	100	785
2023-09-13 3:13	2023-09-12 22:13	15.4	Light D - Teardrop	4.97	20.54	10601	-1597	13140	-2969	561	-2177	42.2	47.8	109	1540
2023-09-13 3:13	2023-09-12 22:13	15.4	Light D - Teardrop	4.96	20.54	10192	-807	13118	-3051	421	-2095	41.3	48.7	121	3875
2023-09-13 3:13	2023-09-12 22:13	15.4	Light D - Teardrop	4.96	20.52	10109	-551	14942	-2978	-5	-2277	37.1	52.9	167	1216
2023-09-13 3:13	2023-09-12 22:13	15.4	Light D - Teardrop	4.96	20.52	10001	-984	13456	-2882	-263	-2393	40	50	242	1147
2023-09-13 3:13	2023-09-12 22:13	15.4	Light D - Teardrop	4.97	20.57	10178	-1691	12778	-2789	-252	-2514	41.9	48.1	277	1680
2023-09-13 3:13	2023-09-12 22:13	15.4	Light D - Teardrop	4.97	20.45	10637	-1781	14165	-2645	-468	-2646	40	50	280	922
2023-09-13 3:13	2023-09-12 22:13	15.4	Light D - Teardrop	4.96	20.45	10490	-1687	13411	-2451	-389	-2830	41.			

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-09-13 3:13	2023-09-12 22:13	14.8	Light D - Teardrop	4.96	20.5	9626	427	13859	-1990	-500	-3170	38	52	349	4725
2023-09-13 3:13	2023-09-12 22:13	14.8	Light D - Teardrop	4.97	20.38	8927	-837	15123	-1826	-270	-3304	33.5	56.5	337	2288
2023-09-13 3:13	2023-09-12 22:13	14.8	Light D - Teardrop	4.96	19.59	9453	-2678	14511	-1579	-121	-3439	35.8	54.2	328	1999
2023-09-13 3:13	2023-09-12 22:13	14.8	Light D - Teardrop	4.97	19.49	9509	-2529	13648	-1711	-189	-3376	37.8	52.2	325	1473
2023-09-13 3:13	2023-09-12 22:13	14.8	Light D - Teardrop	4.96	19.2	9244	-1181	13675	-1553	-39	-3461	37.3	52.7	353	981
2023-09-13 3:13	2023-09-12 22:13	14.8	Light D - Teardrop	4.96	19.08	9791	-2532	15181	-1410	72	-3525	35.5	54.5	343	2505
2023-09-13 3:13	2023-09-12 22:13	14.8	Light D - Teardrop	4.96	19	4869	1212	11941	-1233	321	-3582	25	65	58	1517
2023-09-13 3:13	2023-09-12 22:13	14.8	Light D - Teardrop	4.97	19.21	6000	1215	18410	28393	4416	382	20.4	69.6	96	3109
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	19.54	13861	-2491	10143	-2313	818	-2867	56.9	33.1	6	1484
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	19.52	12714	-3786	10909	-2092	1118	-2943	51.6	38.4	3	2134
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	19.48	12035	-3163	11854	-2170	1275	-2813	48.2	41.8	25	1129
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	19.55	12909	-814	11306	-2342	1168	-2709	52.5	37.5	46	2073
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	19.68	13168	-1944	10954	-2496	1304	-2472	53.7	36.3	44	1300
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	19.8	13704	-2005	10417	-2475	1422	-2412	56.2	33.8	43	1499
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	19.81	13940	-2381	9594	-2590	1515	-2213	58.7	31.3	43	1068
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	19.85	13185	-2232	9574	-2697	1466	-2092	57.4	32.6	50	1129
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	19.97	13174	-1876	10317	-2709	1479	-2058	55.5	34.5	59	836
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.97	20.1	13982	-1881	8565	-2855	1523	-1771	62.1	27.9	56	1921
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	20.25	14346	-3699	8528	-2904	1619	-1564	61	29	49	1420
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.97	20.25	14860	-2116	8450	-3083	1466	-1323	63.6	26.4	68	1451
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	20.4	14558	-2929	8121	-3158	1396	-1196	63.4	26.6	67	542
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	20.4	13742	-1416	9134	-3255	1254	-1061	60.2	29.8	85	2357
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	20.58	14213	-2335	8242	-3317	1118	-1036	63.1	26.9	80	307
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	20.67	13736	-2911	8672	-3319	1144	-1006	60.5	29.5	85	2332
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	20.67	14787	-3165	10161	-3346	999	-1103	58	32	92	1679
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.97	20.67	12871	-1643	10475	-3401	768	-1150	54.5	35.5	105	666
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	20.72	13664	-2198	9774	-3414	750	-1172	57.8	32.2	99	662
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	20.72	14319	-3314	9974	-3466	535	-1142	57.6	32.4	141	1545
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	20.74	13718	-2304	9481	-3507	393	-1097	58.6	31.4	137	616
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	20.74	14437	-2178	8923	-3518	330	-1113	61.6	28.4	136	1061
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	20.72	13461	-2921	9298	-3457	244	-1310	58.2	31.8	242	2097
2023-09-13 3:45	2023-09-12 22:45	13.8	Light B - Tuzyk	4.96	20.72	13646	-3500	8726	-3474	72	-1312	59.5	30.5	262	1750
2023-09-13 3:45	2023-09-12 22:45	13.5	Light B - Tuzyk	4.96	20.64	13329	-3409	10766	-3472	-20	-1332	53.6	36.4	242	1349
2023-09-13 3:45	2023-09-12 22:45	13.5	Light B - Tuzyk	4.96	20.6	14403	-1326	9621	-3435	-200	-1454	59.9	30.1	272	1994
2023-09-13 3:45	2023-09-12 22:45	13.5	Light B - Tuzyk	4.96	20.6	13831	-2398	-3654	22077	4372	394	69.6	20.4	295	640
2023-09-13 3:45	2023-09-12 22:45	13.5	Light B - Tuzyk	4.96	20.59	13967	-3232	9878	-3365	-237	-1634	57.2	32.8	271	1877
2023-09-13 3:45	2023-09-12 22:45	13.5	Light B - Tuzyk	4.96	20.59	13896	-1574	8589	-3337	-351	-1667	62	28	290	1020
2023-09-13 3:45	2023-09-12 22:45	13.5	Light B - Tuzyk	4.97	20.6	14617	-812	9505	-3304	-391	-1717	60.8	29.2	298	1374
2023-09-13 3:45	2023-09-12 22:45	13.5	Light B - Tuzyk	4.96	20.6	14186	-1917	9928	-3277	-393	-1781	58.4	31.6	284	822
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	20.61	14141	-2728	10987	-3163	-464	-1966	55.1	34.9	282	1082
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	20.61	14340	-2288	8635	-3160	-417	-1991	62.1	27.9	297	353
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	20.52	14707	-2440	9246	-3079	-385	-2117	60.9	29.1	300	1634
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	20.39	14537	-2313	8617	-2989	-212	-2252	62.5	27.5	313	1602
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	20.39	13470	-2042	9789	-2754	-128	-2554	57.5	32.5	326	912
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	20.24	12602	-857	12390	-2605	-123	-2716	49	41	349	1505
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	20.06	12994	-1433	9894	-2527	-67	-2795	56.5	33.5	343	906
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	19.93	13293	-3034	10455	-2392	253	-2901	54.6	35.4	336	928
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	19.82	13195	-3357	10350	-2366	348	-2911	54.4	35.6	335	1275
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	19.74	13803	-3544	9928	-2406	519	-2855	56.5	33.5	339	1291
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.97	19.7	13625	-2894	9787	-2405	566	-2860	57.2	32.8	349	2073
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	19.68	13464	-3795	10629	-2387	557	-2864	53.8	36.2	339	1276
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	19.68	12629	-1825	10261	-2285	650	-2934	54.5	35.5	10	1110
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	19.58	13280	-2148	9653	-2281	826	-2890	57.4	32.6	9	583
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	19.59	13488	-3237	9857	-2252	1053	-2846	56.4	33.6	4	912
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	19.58	12761	-3620	10535	-2209	1110	-2855	52.8	37.2	4	3061
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	19.61	13845	-3353	9713	-2259	1222	-2766	57.3	32.7	8	1461
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	19.64	13000	-2482	10200	-2256	1366	-2695	55.1	34.9	28	1344
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	19.68	13407	-3532	10642	-2259	1384	-2675	53.9	36.1	19	2263
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	19.71	12952	-2981	10099	-2311	1464	-2585	54.9	35.1	27	2213
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	19.75	13037	-3648	10762	-2236	1698	-2494	52.8	37.2	32	1441
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	19.72	13292	-4144	10255	-2287	1742	-2415	54.1	35.9	26	956
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.97	19.82	13219	-3121	10234	-2448	1710	-2241	55	35	42	898
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	19.9	13292	-2079	9775	-2487	1642	-2256	57.1	32.9	47	1168
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	19.98	13756	-2123	11192	-2580	1636	-2128	54.2	35.8	58	2831
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	20.14	13360	-2270	9748	-2697	1585	-1992	57.2	32.8	55	1369
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	20.14	12721	-3459	10592	-2737	1576	-1947	52.7	37.3	57	2039
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	20.29	12833	-1479	9516	-2830	1530	-1829	57.3	32.7	66	1247
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	20.44	13676	-2240	10751	-2908	1504	-1685	55.1	34.9	71	1020
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	20.44	13850	-2377	9558	-3106	1335	-1445	58.6	31.4	73	1077
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	20.6	13578	-3857	9597	-3139	1317	-1384	56.6	33.4	73	2044
2023-09-13 3:46	2023-09-12 22:46	13.5	Light B - Tuzyk	4.96	20.6	13788	-2311	10543	-3195						

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-09-13 3:46	2023-09-12 22:46	12.8	Light B - Tuzyk	4.97	19.29	10796	-3108	13404	-1538	746	-3408	41.6	48.4	4	2216
2023-09-13 3:46	2023-09-12 22:46	12.8	Light B - Tuzyk	4.96	19.3	10446	-2253	13434	-1506	802	-3424	41	49	17	1486
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	19.32	10712	-1697	13328	-1528	815	-3407	42.1	47.9	22	1221
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	19.37	10928	-1918	13732	-1568	893	-3379	41.7	48.3	24	774
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	19.39	10506	-2027	13390	-1579	1001	-3338	41.3	48.7	26	760
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	19.5	10126	-1383	13575	-1518	1137	-3335	40	50	37	1697
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	19.58	10143	-2136	13757	-1541	1319	-3259	39.5	50.5	37	659
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	19.58	10593	-2113	13237	-1737	1220	-3174	41.8	48.2	34	1322
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	19.58	11564	-120	12995	-1801	1327	-3084	45.2	44.8	49	1557
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	19.62	10080	-2003	14199	-1821	1402	-3045	38.4	51.6	48	1226
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	19.71	11207	-1718	12289	-2039	1517	-2810	45.8	44.2	48	922
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	19.9	11042	-1569	13647	-2144	1536	-2709	42.2	47.8	60	1113
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.97	20.21	10181	-2070	13934	-2254	1540	-2601	39.2	50.8	68	1691
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	20.21	11496	-2227	12826	-2412	1508	-2434	45.1	44.9	62	927
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	20.56	10302	-3693	13127	-2591	1362	-2312	40.5	49.5	75	1852
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	20.56	11134	-3835	12929	-2639	1459	-2184	43.1	46.9	72	1657
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	20.86	11358	-1791	12547	-2761	1282	-2144	45.5	44.5	78	1584
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	20.86	11013	-2774	13627	-2924	1000	-2059	41.8	48.2	101	1702
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	20.86	10405	-4519	11693	-2893	1029	-2106	43.4	46.6	95	5610
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	20.82	11071	-4563	12356	-3032	770	-2020	43.6	46.4	186	2236
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	20.82	10456	-2595	13881	-3023	607	-2104	39.9	50.1	136	2832
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	20.72	10408	-3640	14394	-2986	322	-2228	38.3	51.7	210	1370
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	20.72	11500	-3038	11975	-2899	300	-2368	46.7	43.3	303	2464
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.96	20.67	11382	-5547	11913	-2870	259	-2408	44.4	45.6	276	1517
2023-09-13 3:47	2023-09-12 22:47	12.8	Light B - Tuzyk	4.97	20.61	10212	-2911	14906	-2806	45	-2486	37.1	52.9	240	618
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	20.61	10044	-2668	13360	-2713	38	-2593	39.9	50.1	275	1301
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	20.62	9755	-3934	12906	-2632	-100	-2688	39.3	50.7	277	2382
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	20.62	10207	-4423	13755	-2496	-47	-2826	38.5	51.5	283	865
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	20.6	12291	-5128	12382	-2404	124	-2902	46	44	304	1033
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	20.6	10042	-5327	13781	-2202	243	-3069	37.4	52.6	298	1408
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	20.48	9376	-5531	15050	-1936	180	-3256	33.2	56.8	297	1249
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	20.24	8511	-3303	15095	-1661	294	-3409	31.8	58.2	335	1381
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	19.91	8647	-4348	14594	-1381	533	-3518	32.6	57.4	340	1505
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	19.66	8969	-3434	14801	-1432	513	-3498	33.6	56.4	353	821
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	19.35	9919	-3935	14043	-1466	603	-3470	37.5	52.5	350	1587
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	19.36	11320	-2114	12992	-1813	321	-3331	44.3	45.7	357	820
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	19.41	10499	-2733	13808	-1726	379	-3365	40.1	49.9	353	1244
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	19.35	10287	-869	14472	-1557	534	-3443	38.6	51.4	26	1126
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	19.34	10055	-2100	13342	-1564	714	-3404	40.1	49.9	16	1153
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	19.35	10301	-3273	14303	-1483	767	-3442	38.3	51.7	6	985
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	19.44	10775	-2113	12427	-1586	904	-3360	44.2	45.8	18	1625
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	19.5	11366	-541	11921	-1674	922	-3309	47.4	42.6	33	2515
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	19.57	9973	-610	13880	-1462	1202	-3340	39	51	45	1561
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	19.66	10186	-2911	13772	-1486	1293	-3286	39.3	50.7	28	693
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	19.68	10336	-2021	13451	-1619	1400	-3175	40.7	49.3	39	1571
2023-09-13 3:47	2023-09-12 22:47	12.5	Light B - Tuzyk	4.96	19.64	10616	-1631	13621	-1685	1450	-3109	41.2	48.8	44	1158
2023-09-13 3:47	2023-09-12 22:47	12.2	Light B - Tuzyk	4.96	19.71	9580	-2231	14545	-1794	1570	-2979	36.2	53.8	54	1396
2023-09-13 3:47	2023-09-12 22:47	12.2	Light B - Tuzyk	4.96	19.76	9184	-3062	14147	-1686	1674	-2996	35.6	54.4	48	1150
2023-09-13 3:47	2023-09-12 22:47	12.2	Light B - Tuzyk	4.97	19.93	10903	-841	13379	-2025	1519	-2828	42.6	47.4	58	1979
2023-09-13 3:47	2023-09-12 22:47	12.2	Light B - Tuzyk	4.96	19.93	10272	-1656	14030	-2119	1506	-2742	39.3	50.7	63	868
2023-09-13 3:47	2023-09-12 22:47	12.2	Light B - Tuzyk	4.96	20.32	11197	-2528	13204	-2298	1478	-2588	43.3	46.7	57	1624
2023-09-13 3:47	2023-09-12 22:47	12.2	Light B - Tuzyk	4.96	20.51	10099	-2343	13210	-2368	1490	-2509	42.9	47.1	63	570
2023-09-13 3:47	2023-09-12 22:47	12.2	Light B - Tuzyk	4.96	20.51	11259	-1024	14139	-2455	1466	-2427	41.8	48.2	75	1333
2023-09-13 3:47	2023-09-12 22:47	12.2	Light B - Tuzyk	4.96	20.66	11110	-2094	13515	-2639	1360	-2258	42.6	47.4	78	760
2023-09-13 3:47	2023-09-12 22:47	12.2	Light B - Tuzyk	4.96	20.66	11960	-2967	12159	-2701	1418	-2135	47.4	42.6	67	1698
2023-09-13 3:47	2023-09-12 22:47	12.2	Light B - Tuzyk	4.96	20.66	11958	-2663	12362	-2813	1292	-2058	47.1	42.9	75	1454
2023-09-13 3:47	2023-09-12 22:47	12.2	Light B - Tuzyk	4.96	20.81	11664	-3074	11864	-2839	1350	-1959	47.4	42.6	76	2196
2023-09-13 3:47	2023-09-12 22:47	12.2	Light B - Tuzyk	4.96	20.81	11225	-2453	12647	-3002	1025	-1928	44.7	45.3	96	1212
2023-09-13 3:47	2023-09-12 22:47	12.2	Light B - Tuzyk	4.96	20.81	10842	-3723	13907	-2963	1106	-1940	40.3	49.7	112	1149
2023-09-13 3:47	2023-09-12 22:47	12.2	Light B - Tuzyk	4.96	20.81	11931	-2332	11974	-3021	962	-1934	48.1	41.9	86	1928
2023-09-13 3:47	2023-09-12 22:47	12.2	Light B - Tuzyk	4.96	20.77	11443	-3125	12771	-3079	640	-1994	44.6	45.4	130	2302
2023-09-13 3:47	2023-09-12 22:47	12.2	Light B - Tuzyk	4.96	20.77	11200	-2058	13124	-3141	294	-2011	43.7	46.3	164	1094
2023-09-13 3:48	2023-09-12 22:48	12.2	Light B - Tuzyk	4.96	20.69	11241	-1819	14080	-3120	321	-2035	41.7	48.3	152	1762
2023-09-13 3:48	2023-09-12 22:48	12.2	Light B - Tuzyk	4.96	20.69	10625	-1678	13207	-3088	200	-2128	42.1	47.9	170	3488
2023-09-13 3:48	2023-09-12 22:48	12.2	Light B - Tuzyk	4.97	20.65	10638	-2356	12487	-3008	-5	-2244	43.6	46.4	253	1287
2023-09-13 3:48	2023-09-12 22:48	12.2	Light B - Tuzyk	4.96	20.65	10441	-2339	14503	-2905	-37	-2394	38.6	51.4	235	1362
2023-09-13 3:48	2023-09-12 22:48	12.2	Light B - Tuzyk	4.96	20.58	10468	-1950	13578	-2778	-275	-2532	40.8	49.2	272	990
2023-09-13 3:48	2023-09-12 22:48	12.2	Light B - Tuzyk	4.96	20.58	10184	-2236	15294	-2719	-250	-2599	36.4	53.6	255	1087
2023-09-13 3:48	2023-09-12 22:48	11.9	Light B - Tuzyk	4.96	20.6	10564	-3158	13504	-2621	-305	-2694	40.7	49.3	282	2096
2023-09-13 3:48	2023-09-12 22:48	11.9	Light B - Tuzyk	4.96	20.6	10296	-3340	14136	-2467	-446	-2816	38.6	51.4	283	1266
2023-09-13 3:48	2023-09-12 22:48	11.9	Light B - Tuzyk												

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.96	20.68	9694	-379	16057	-2866	-514	-2428	33.9	56.1	224	1632
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.96	20.65	11607	-905	13084	-2721	-652	-2549	45	45	294	894
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.97	20.65	11471	-581	13518	-2720	-588	-2572	43.7	46.3	295	2362
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.96	20.68	11277	-1011	11695	-2561	-678	-2709	47.7	42.3	310	1095
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.96	20.68	10930	-715	14925	-2457	-557	-2828	39.3	50.7	302	1184
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.96	20.69	11080	-1041	13715	-2357	-717	-2874	42.3	47.7	307	1759
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.97	20.69	10409	-308	14194	-2241	-589	-2996	39.5	50.5	323	2129
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.96	20.55	11304	-412	13325	-2074	-292	-3168	43.7	46.3	350	1394
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.96	20.55	10857	-1156	13428	-2028	-257	-3214	42.3	47.7	340	1671
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.96	20.35	11666	-1228	13633	-1888	-122	-3302	43.9	46.1	349	1021
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.96	20.1	11153	-463	13830	-1891	-9	-3313	42.2	47.8	6	2471
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.96	19.9	11378	-1960	13761	-1772	88	-3378	42.7	47.3	350	928
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.97	19.59	11406	-103	11964	-1672	374	-3415	47.3	42.7	21	651
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.96	19.52	10854	-2362	14118	-1580	494	-3464	40.5	49.5	5	2114
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.97	19.47	10710	-1285	14087	-1535	730	-3449	40.5	49.5	26	1805
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.96	19.45	10356	-1422	13897	-1649	846	-3374	39.9	50.1	31	662
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.96	19.45	10233	-751	14174	-1659	1107	-3288	39.1	50.9	46	739
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.96	19.45	11105	-1430	13017	-1822	1137	-3178	43.9	46.1	37	1280
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.97	19.55	10943	-745	14331	-1891	1262	-3089	40.6	49.4	52	2075
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.96	19.67	10214	-556	13788	-1972	1185	-3066	39.8	50.2	54	641
2023-09-13 4:09	2023-09-12 23:09	13.2	Light A - Dixie	4.97	19.9	10184	-469	12393	-2076	1226	-2946	43.1	46.9	55	1229
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.14	11157	-1299	12926	-2400	1266	-2637	44.2	45.8	61	1494
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.14	11546	-546	12986	-2481	1306	-2515	45.1	44.9	69	1110
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.5	11256	-1936	13157	-2572	1203	-2467	43.8	46.2	67	791
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.97	20.5	10761	1244	12211	-2662	1090	-2436	44.8	45.2	79	2268
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.65	10422	-2251	14899	-2777	919	-2369	37.8	52.2	101	844
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.65	10310	-1134	13777	-2829	820	-2326	40.1	49.9	95	2532
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.71	9956	-1254	14053	-2839	770	-2327	38.5	51.5	103	1100
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.71	10995	33	10682	-3010	501	-2192	49.9	40.1	76	1815
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.97	20.75	9959	-1712	13870	-3035	396	-2182	38.8	51.2	144	2681
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.99	20.75	9239	-2418	15107	-3008	124	-2264	34.2	55.8	195	2702
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.81	9961	-44	14670	-3077	-46	-2178	37.3	52.7	162	2361
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.81	10227	-2214	14635	-2982	-227	-2305	37.8	52.2	235	2762
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.81	11347	-1378	13831	-2953	-236	-2340	42.6	47.4	256	1464
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.74	11376	-2575	14078	-2860	-584	-2426	41.8	48.2	269	2188
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.67	10686	-903	15060	-2785	-511	-2522	38.4	51.6	259	3099
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.67	11009	-1239	14930	-2682	-648	-2579	39.5	50.5	274	1982
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.68	10180	566	14449	-2536	-562	-2750	38.3	51.7	308	1143
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.68	11259	-1130	12196	-2483	-664	-2782	46.3	43.7	311	2429
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.65	11174	-1289	12355	-2270	-456	-3001	45.7	44.3	326	813
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.65	11539	-1570	12654	-2226	-492	-3037	45.8	44.2	323	1632
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.49	11216	-629	13115	-2028	-264	-3207	44	46	349	4104
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.97	20.28	11165	-976	11970	-1976	-148	-3257	46.7	43.3	350	1119
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.28	11415	-1291	10732	-1857	-85	-3334	50.6	39.4	349	3201
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	19.84	11469	-1159	12808	-1973	177	-3266	45.3	44.7	4	1503
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	19.78	12544	840	11335	-1893	364	-3301	51.5	38.5	31	1104
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	19.71	13706	-114	10599	-1891	554	-3288	56.1	33.9	23	1477
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	19.7	12413	-1788	12725	-2020	888	-3115	47.6	42.4	24	2935
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	19.71	11367	-1985	15146	-1987	1059	-3087	39.8	50.2	41	1153
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	19.71	12646	-1615	11364	-2179	1105	-2921	51.6	38.4	31	2088
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	19.8	11019	-314	13855	-2134	1100	-2955	41.8	48.2	57	3888
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	19.93	11720	-1988	12105	-2303	1257	-2733	47.4	42.6	44	1679
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	19.93	11696	-574	14173	-2417	1327	-2583	42.8	47.2	70	3481
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.18	11981	-1786	11844	-2532	1261	-2482	48.8	41.2	55	1605
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.48	12436	-3500	10967	-2706	1338	-2210	51.1	38.9	45	1457
2023-09-13 4:09	2023-09-12 23:09	12.8	Light A - Dixie	4.96	20.48	11415	-531	12363	-2803	1020	-2263	46.3	43.7	78	1373
2023-09-13 4:10	2023-09-12 23:10	12.8	Light A - Dixie	4.96	20.67	10074	-1013	15118	-2749	946	-2376	36.7	53.3	99	1467
2023-09-13 4:10	2023-09-12 23:10	12.8	Light A - Dixie	4.96	20.67	10256	908	12697	-2830	663	-2386	42.3	47.7	88	1280
2023-09-13 4:10	2023-09-12 23:10	12.8	Light A - Dixie	4.96	20.7	9040	-600	15065	-2786	493	-2479	33.9	56.1	120	1221
2023-09-13 4:10	2023-09-12 23:10	12.8	Light A - Dixie	4.96	20.7	9382	-388	15112	-2785	395	-2500	34.8	55.2	118	2317
2023-09-13 4:10	2023-09-12 23:10	12.8	Light A - Dixie	4.96	20.7	8863	-1040	15738	-2718	126	-2626	32.2	57.8	160	1859
2023-09-13 4:10	2023-09-12 23:10	12.8	Light A - Dixie	4.96	20.78	9045	-196	14732	-2641	186	-2697	34.6	55.4	111	1356
2023-09-13 4:10	2023-09-12 23:10	12.8	Light A - Dixie	4.96	20.78	8552	-1563	15825	-2607	-41	-2738	31.1	58.9	208	1901
2023-09-13 4:10	2023-09-12 23:10	12.8	Light A - Dixie	4.96	21.05	8446	-780	16175	-2588	-171	-2761	30.2	59.8	200	3040
2023-09-13 4:10	2023-09-12 23:10	12.8	Light A - Dixie	4.96	21.05	9072	-891	15389	-2569	-475	-2743	33.4	56.6	254	917
2023-09-13 4:10	2023-09-12 23:10	12.8	Light A - Dixie	4.96	21.05	8562	234	16364	-2415	-544	-2855	30.3	59.7	241	2065
2023-09-13 4:10	2023-09-12 23:10	12.8	Light A - Dixie	4.96	20.91	8241	-964	15450	-2217	-630	-2999	30.9	59.1	278	1102
2023-09-13 4:10	2023-09-12 23:10	12.8	Light A - Dixie	4.96	20.91	8503	-1225	14739	-2165	-549	-3057	32.9	57.1	294	1340
2023-09-13 4:10	2023-09-12 23:10	12.8	Light A - Dixie	4.97	20.77	7913	-427	15450	-1960	-639	-3182	29.9	60.1	298	854
2023-09-13 4:10	2023-09-12 23:10	12.8	Light A - Dixie	4.96	20.77	8372	-477	13263	-1748	-586	-3311	35.6	54.4	328	1154
2023-09-13 4:10	2023-09-12 23:10	12.8	Light A - Dixie	4.96	20.77	7623	931	15774	-1573	-594	-3383	28.3	61.7	345	1163</

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-09-13 4:10	2023-09-12 23:10	12.5	Light A - Dixie	4.96	20.86	5961	-3198	15657	-2307	669	-2943	22.9	67.1	161	1100
2023-09-13 4:10	2023-09-12 23:10	12.5	Light A - Dixie	4.96	20.97	7466	-2938	14351	-2142	583	-3094	30	60	17	1091
2023-09-13 4:10	2023-09-12 23:10	12.5	Light A - Dixie	4.96	20.97	5326	-3123	17297	-2128	411	-3139	18.8	71.2	184	1699
2023-09-13 4:10	2023-09-12 23:10	12.5	Light A - Dixie	4.96	20.97	6901	-3241	16271	-2000	414	-3219	25.1	64.9	243	4343
2023-09-13 4:10	2023-09-12 23:10	12.2	Light A - Dixie	4.99	20.97	4833	-2837	18457	-1916	164	-3293	16.8	73.2	202	2074
2023-09-13 4:10	2023-09-12 23:10	12.2	Light A - Dixie	4.96	20.97	5995	-2980	16988	-1800	162	-3378	21.3	68.7	246	1466
2023-09-13 4:10	2023-09-12 23:10	12.2	Light A - Dixie	4.97	21.75	4730	-3440	16150	-1648	-47	-3440	18	72	253	1058
2023-09-13 4:10	2023-09-12 23:10	12.2	Light A - Dixie	4.96	21.75	6529	-3070	15712	-1429	8	-3538	24.7	65.3	310	1802
2023-09-13 4:10	2023-09-12 23:10	12.2	Light A - Dixie	4.96	21.75	4591	-3231	16850	-1264	-104	-3591	16.9	73.1	279	1641
2023-09-13 4:10	2023-09-12 23:10	12.2	Light A - Dixie	4.96	21.75	5548	-3680	15754	-1123	-82	-3638	21.2	68.8	304	1697
2023-09-13 4:10	2023-09-12 23:10	12.2	Light A - Dixie	4.96	21.62	6683	-1849	16693	-1178	-83	-3620	24.1	65.9	336	2019
2023-09-13 4:10	2023-09-12 23:10	12.2	Light A - Dixie	4.96	21.62	6044	-2019	17865	-900	43	-3706	20.6	69.4	347	2249
2023-09-13 4:10	2023-09-12 23:10	12.2	Light A - Dixie	4.96	21.62	5555	-3501	17184	-839	257	-3734	19.6	70.4	338	1901
2023-09-13 4:10	2023-09-12 23:10	12.2	Light A - Dixie	4.96	21.62	6591	-2956	16757	-691	373	-3758	23.5	66.5	357	1274
2023-09-13 4:10	2023-09-12 23:10	12.2	Light A - Dixie	4.96	21.37	5139	-4235	16218	-503	571	-3777	19.1	70.9	350	935
2023-09-13 4:10	2023-09-12 23:10	12.2	Light A - Dixie	4.96	21.37	6510	-4470	15849	-473	655	-3774	24	66	353	2004
2023-09-13 4:10	2023-09-12 23:10	12.2	Light A - Dixie	4.96	20.73	4845	-3892	17306	-337	817	-3777	17.1	72.9	11	1482
2023-09-13 4:10	2023-09-12 23:10	12.2	Light A - Dixie	4.96	20.31	6011	-3606	16413	-230	1005	-3758	21.9	68.1	16	1415
2023-09-13 4:11	2023-09-12 23:11	12.2	Light A - Dixie	4.96	20.31	5422	-3900	16805	-243	985	-3762	19.5	70.5	15	1347
2023-09-13 4:11	2023-09-12 23:11	12.2	Light A - Dixie	4.96	19.73	5750	-2658	16876	-212	1023	-3757	20.8	69.2	26	893
2023-09-13 4:11	2023-09-12 23:11	12.2	Light A - Dixie	4.96	19.63	4076	-3231	17903	-224	1063	-3754	14.3	75.7	32	1427
2023-09-13 4:11	2023-09-12 23:11	12.2	Light A - Dixie	4.96	19.82	6608	-3603	15195	-193	1347	-3686	25.5	64.5	22	1399
2023-09-13 4:11	2023-09-12 23:11	12.2	Light A - Dixie	4.96	20.18	5813	-3889	16377	-207	1508	-3633	14.5	75.5	39	1316
2023-09-13 4:11	2023-09-12 23:11	12.2	Light A - Dixie	4.96	20.18	5339	-2381	18390	-264	1718	-3537	18.4	71.6	50	1451
2023-09-13 4:11	2023-09-12 23:11	12.2	Light A - Dixie	4.97	20.66	4057	-3542	16216	-504	1697	-3511	15.6	74.4	53	1163
2023-09-13 4:11	2023-09-12 23:11	12.2	Light A - Dixie	4.96	20.66	3403	-2694	17420	-445	1867	-3456	12.4	77.6	66	2162
2023-09-13 4:11	2023-09-12 23:11	12.2	Light A - Dixie	4.97	20.79	3389	-3575	16208	-629	1842	-3427	13.2	76.8	65	1300
2023-09-13 4:11	2023-09-12 23:11	12.2	Light A - Dixie	4.96	20.79	3931	-2562	16422	-882	4517	386	15.1	74.9	89	1190
2023-09-13 4:11	2023-09-12 23:11	12.2	Light A - Dixie	4.96	20.79	4072	-3101	15549	-1038	1732	-3339	16.3	73.7	72	1023
2023-09-13 4:11	2023-09-12 23:11	12.2	Light A - Dixie	4.96	21.11	4222	-2290	16873	-1379	1521	-3282	15.7	74.3	90	2139
2023-09-13 4:11	2023-09-12 23:11	11.9	Light A - Dixie	4.96	21.11	4180	-3470	17860	-1339	1548	-3292	14.6	75.4	91	1397
2023-09-13 4:11	2023-09-12 23:11	11.9	Light A - Dixie	4.96	21.11	3214	-1296	18365	-1610	1144	-3306	11.6	78.4	113	1296
2023-09-13 4:11	2023-09-12 23:11	11.9	Light A - Dixie	4.96	21.11	4620	-2405	17078	-1835	992	-3206	16.9	73.1	118	1525
2023-09-13 4:11	2023-09-12 23:11	11.9	Light A - Dixie	4.96	21.38	855	-3079	13028	-2071	362	-3182	4.7	85.3	193	3335
2023-09-13 4:11	2023-09-12 23:11	11.9	Light A - Dixie	4.96	21.38	2273	2307	17242	-1751	-598	-3314	8.6	81.4	171	8815
2023-10-16 1:34	2023-10-15 20:34	16.7	Light C - Tote	4.97	21.46	8352	-1589	16212	-2610	241	-2895	29.9	60.1	159	1451
2023-10-16 1:34	2023-10-15 20:34	16.7	Light C - Tote	4.97	21.46	7690	-2392	14906	-2609	-4	-2936	29.9	60.1	231	848
2023-10-16 1:34	2023-10-15 20:34	16.7	Light C - Tote	4.97	21.2	8416	-202	15264	-2661	-254	-2893	31.7	58.3	198	1079
2023-10-16 1:34	2023-10-15 20:34	16.7	Light C - Tote	4.96	21.2	8333	-1698	15462	-2583	-482	-2939	31	59	254	738
2023-10-16 1:34	2023-10-15 20:34	16.7	Light C - Tote	4.97	21.2	8152	-748	15042	-2378	-591	-3097	31.3	58.7	274	534
2023-10-16 1:34	2023-10-15 20:34	16.7	Light C - Tote	4.97	20.86	7588	-818	15000	-2178	-722	-3209	29.6	60.4	278	475
2023-10-16 1:34	2023-10-15 20:34	16.7	Light C - Tote	4.97	20.86	8141	-1337	14366	-2059	-683	-3299	32.5	57.5	294	1431
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	20.81	7605	-844	15287	-1869	-686	-3410	29.2	60.8	295	2771
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	20.81	7821	-532	14135	-1654	-556	-3524	32	58	325	2137
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.96	20.81	8132	-580	14986	-1539	-504	-3592	31.4	58.6	330	1613
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	21.15	9350	-1885	16164	-1329	-140	-3710	32.7	57.3	340	2944
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	21.15	9585	-1103	14229	-1333	-88	-3713	37.1	52.9	353	849
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	21.15	7997	-2116	15275	-996	326	-3806	30.3	59.7	2	777
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	21.15	7849	382	15562	-1063	513	-3773	29.4	60.6	39	858
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	21.54	7421	-1828	15553	-1084	978	-3671	28.1	61.9	38	451
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	21.54	7722	585	15617	-1265	1062	-3583	28.9	61.1	60	836
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	21.54	7849	-2038	15603	-1537	1298	-3378	29.3	60.7	57	400
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	20.97	8208	-308	15702	-1767	1184	-3293	30.3	59.7	69	400
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	20.97	7681	-1473	15786	-2040	1022	-3159	28.5	61.5	79	1142
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	21.03	7909	348	15941	-2246	888	-3058	29	61	89	808
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	21.03	7808	-2039	15545	-2484	551	-2944	29.2	60.8	125	602
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	21.03	8780	-926	14904	-2741	227	-2763	33.5	56.5	135	1375
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	21.03	9973	-1758	14723	-2945	-120	-2573	37.1	52.9	229	986
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	21.2	9610	24	14822	-2916	-379	-2600	36	54	210	864
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	21.2	9197	-1516	14427	-2718	-605	-2790	35.5	54.5	264	218
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	20.83	9010	-293	15234	-2539	-711	-2938	33.5	56.5	269	619
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	20.83	9669	-1331	14483	-2320	-772	-3097	36.8	53.2	295	950
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	20.8	9281	-640	14788	-2143	-784	-3211	35.2	54.8	303	545
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	20.8	9666	-1365	14893	-1884	-673	-3396	36	54	311	889
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	20.8	9493	-415	14324	-1788	-495	-3481	36.7	53.3	336	1355
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	21.1	9327	-1474	14671	-1607	-289	-3582	35.4	54.6	334	1277
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	21.1	9756	-746	14210	-1420	52	-3663	37.7	52.3	4	612
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	21.1	9317	-1132	14222	-1381	371	-3677	36.4	53.6	15	677
2023-10-16 1:34	2023-10-15 20:34	16.4	Light C - Tote	4.97	21.1	9093	-640	14660	-1311	684	-3650	34.9	55.1	34	845
2023-10-16 1:35	2023-10-15 20:35	16.4	Light C - Tote	4.97	21.35	9218	-996	14503	-1416	830	-3576	35.5	54.5	36	492
2023-10-16 1:35	2023-10-15 20:35	16.4	Light C - Tote	4.97	21.35	9673	-546	15129	-1638	1029	-3420	35.6	54.4	51	476
2023-10-16 1:35	2023-10-15 20:35	16.1	Light C - Tote	4.97	21	9229	65								

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-10-16 1:35	2023-10-15 20:35	15.7	Light C - Tote	4.96	21.1	11516	17	13171	-3271	-467	-2150	44.6	45.4	231	1018
2023-10-16 1:35	2023-10-15 20:35	15.7	Light C - Tote	4.97	21.03	11854	-1578	12516	-3121	-669	-2332	46.9	43.1	274	886
2023-10-16 1:35	2023-10-15 20:35	15.7	Light C - Tote	4.97	21.03	11307	991	13142	-2946	-931	-2496	44	46	285	729
2023-10-16 1:35	2023-10-15 20:35	15.7	Light C - Tote	4.97	20.91	11491	-1517	12412	-2696	-883	-2769	46.3	43.7	296	429
2023-10-16 1:35	2023-10-15 20:35	15.7	Light C - Tote	4.97	20.91	11312	-43	12632	-2564	-859	-2895	45.4	44.6	316	1673
2023-10-16 1:35	2023-10-15 20:35	15.7	Light C - Tote	4.97	20.91	12001	-1820	11961	-2320	-603	-3148	48.5	41.5	319	843
2023-10-16 1:35	2023-10-15 20:35	15.7	Light C - Tote	4.96	21.09	11747	245	13602	-2138	-457	-3284	44.1	45.9	351	907
2023-10-16 1:35	2023-10-15 20:35	15.7	Light C - Tote	4.97	21.09	12040	-1782	12490	-1993	23	-3404	47.3	42.7	347	582
2023-10-16 1:35	2023-10-15 20:35	15.7	Light C - Tote	4.96	21.09	12511	-258	12295	-2019	157	-3378	49.1	40.9	14	1520
2023-10-16 1:35	2023-10-15 20:35	15.7	Light C - Tote	4.97	21.21	11501	-1000	12590	-2021	667	-3294	46	44	27	1998
2023-10-16 1:35	2023-10-15 20:35	15.7	Light C - Tote	4.97	21.21	12306	-685	12448	-2142	817	-3164	48.2	41.8	35	641
2023-10-16 1:35	2023-10-15 20:35	15.7	Light C - Tote	4.97	21.21	11544	-1706	14475	-2271	1035	-2949	41.6	48.4	49	1384
2023-10-16 1:35	2023-10-15 20:35	15.4	Light C - Tote	4.97	21.06	12202	-932	14257	-2468	1045	-2762	43.8	46.2	61	2335
2023-10-16 1:35	2023-10-15 20:35	15.4	Light C - Tote	4.97	21.06	10900	-1520	13592	-2695	1099	-2479	42	48	77	2572
2023-10-16 1:35	2023-10-15 20:35	15.4	Light C - Tote	4.97	21.06	12475	-500	10918	-2973	815	-2256	52.7	37.3	66	1511
2023-10-16 1:35	2023-10-15 20:35	15.4	Light C - Tote	4.97	21.12	12235	-689	10990	-3149	673	-2071	51.9	38.1	77	406
2023-10-16 1:35	2023-10-15 20:35	15.4	Light C - Tote	4.97	21.12	11585	-348	11771	-3303	325	-1977	48.3	41.7	107	1241
2023-10-16 1:35	2023-10-15 20:35	15.4	Light C - Tote	4.97	21.12	12457	-273	11392	-3436	-63	-1793	51.3	38.7	156	611
2023-10-16 1:35	2023-10-15 20:35	15.4	Light C - Tote	4.97	21.15	13720	-95	10230	-3622	-423	-1426	57.1	32.9	245	820
2023-10-16 1:35	2023-10-15 20:35	15.4	Light C - Tote	4.97	21.15	13723	-560	9424	-3578	-571	-1517	59.5	30.5	271	2121
2023-10-16 1:35	2023-10-15 20:35	15.4	Light C - Tote	4.96	21.15	13342	-247	10160	-3514	-770	-1641	56.6	33.4	270	2084
2023-10-16 1:35	2023-10-15 20:35	15.4	Light C - Tote	4.97	20.97	14719	96	7122	-3431	-910	-1802	68.2	21.8	311	2593
2023-10-16 1:35	2023-10-15 20:35	15.4	Light C - Tote	4.97	20.97	13434	-406	10868	-3343	-976	-1945	54.8	35.2	281	386
2023-10-16 1:35	2023-10-15 20:35	15.4	Light C - Tote	4.97	21.06	14027	-630	9645	-3175	-938	-2213	59.4	30.6	302	2118
2023-10-16 1:35	2023-10-15 20:35	15.4	Light C - Tote	4.97	21.06	13446	-321	10658	-2998	-894	-2450	55.4	34.6	309	611
2023-10-16 1:35	2023-10-15 20:35	15.4	Light C - Tote	4.97	21.06	13653	-339	9140	-2908	-718	-2616	60.2	29.8	329	1745
2023-10-16 1:35	2023-10-15 20:35	15.4	Light C - Tote	4.96	21.06	13815	-1077	10357	-2745	-499	-2808	56.9	33.1	329	1107
2023-10-16 1:35	2023-10-15 20:35	15.4	Light C - Tote	4.97	21.25	13958	22	9619	-2664	-248	-2904	59.3	30.7	1	840
2023-10-16 1:35	2023-10-15 20:35	15.4	Light C - Tote	4.97	21.25	13570	-406	10002	-2660	-61	-2906	57.5	32.5	2	1438
2023-10-16 1:35	2023-10-15 20:35	15.1	Light C - Tote	4.97	21.25	13867	-297	9729	-2692	255	-2831	58.9	31.1	18	914
2023-10-16 1:35	2023-10-15 20:35	15.1	Light C - Tote	4.97	21.28	13793	-508	9858	-2627	499	-2844	58.3	31.7	24	1412
2023-10-16 1:36	2023-10-15 20:36	15.1	Light C - Tote	4.97	21.28	13713	-843	10695	-2690	763	-2695	55.8	34.2	36	1024
2023-10-16 1:36	2023-10-15 20:36	15.1	Light C - Tote	4.97	21.12	13679	-38	8599	-2913	927	-2316	61.9	28.1	52	1064
2023-10-16 1:36	2023-10-15 20:36	15.1	Light C - Tote	4.96	21.12	13594	295	9297	-3025	888	-2162	59.6	30.4	63	734
2023-10-16 1:36	2023-10-15 20:36	15.1	Light C - Tote	4.97	21.12	14148	-615	9108	-3154	1006	-1863	61.2	28.8	65	3177
2023-10-16 1:36	2023-10-15 20:36	15.1	Light C - Tote	4.97	21.18	13875	-1146	9282	-3341	812	-1629	60.1	29.9	73	1046
2023-10-16 1:36	2023-10-15 20:36	15.1	Light C - Tote	4.97	21.18	13874	-640	9670	-3493	641	-1382	59	31	90	633
2023-10-16 1:36	2023-10-15 20:36	15.1	Light C - Tote	4.97	21.18	13868	-734	9976	-3599	368	-1279	58.1	31.9	108	1609
2023-10-16 1:36	2023-10-15 20:36	15.1	Light C - Tote	4.99	21.28	14304	-569	8740	-3644	237	-1180	62.6	27.4	101	516
2023-10-16 1:36	2023-10-15 20:36	15.1	Light C - Tote	4.97	21.28	14288	170	9279	-3672	14	-1175	60.9	29.1	119	1611
2023-10-16 1:36	2023-10-15 20:36	15.1	Light C - Tote	4.97	21.28	14524	-1196	8064	-3726	-210	-1084	64.8	25.2	261	781
2023-10-16 1:36	2023-10-15 20:36	15.1	Light C - Tote	4.96	21.17	14498	353	8874	-3735	-433	-1061	62.4	27.6	242	1468
2023-10-16 1:36	2023-10-15 20:36	15.1	Light C - Tote	4.97	21.17	14618	-1216	8200	-3681	-661	-1276	64.5	25.5	274	2311
2023-10-16 1:36	2023-10-15 20:36	15.1	Light C - Tote	4.97	21.17	14571	-46	8773	-3651	-810	-1316	62.9	27.1	275	985
2023-10-16 1:36	2023-10-15 20:36	15.1	Light C - Tote	4.97	20.97	14430	371	8596	-3550	-1037	-1518	63.1	26.9	286	1201
2023-10-16 1:36	2023-10-15 20:36	14.8	Light C - Tote	4.96	20.97	14512	-438	8997	-3504	-975	-1639	62.1	27.9	284	823
2023-10-16 1:36	2023-10-15 20:36	14.8	Light C - Tote	4.97	20.97	14427	84	8589	-3364	-1058	-1910	63.2	26.8	301	1602
2023-10-16 1:36	2023-10-15 20:36	14.8	Light C - Tote	4.97	21.1	13773	-425	9231	-3207	-932	-2212	60.2	29.8	305	2468
2023-10-16 1:36	2023-10-15 20:36	14.8	Light C - Tote	4.97	21.1	14990	-254	8876	-3143	-887	-2321	63.2	26.8	318	1218
2023-10-16 1:36	2023-10-15 20:36	14.8	Light C - Tote	4.97	21.1	15392	-1102	8727	-3051	-575	-2498	64.1	25.9	323	482
2023-10-16 1:36	2023-10-15 20:36	14.8	Light C - Tote	4.97	21.3	15130	289	8646	-2960	-419	-2610	64	26	357	1102
2023-10-16 1:36	2023-10-15 20:36	14.8	Light C - Tote	4.97	21.3	14784	-1853	8130	-2879	148	-2674	64.6	25.4	342	895
2023-10-16 1:36	2023-10-15 20:36	14.8	Light C - Tote	4.97	21.3	14564	582	7994	-2940	221	-2586	65.1	24.9	32	708
2023-10-16 1:36	2023-10-15 20:36	14.8	Light C - Tote	4.97	21.3	14413	-677	7990	-2979	636	-2396	65	25	30	874
2023-10-16 1:36	2023-10-15 20:36	14.8	Light C - Tote	4.97	21.25	14393	348	9581	-3104	743	-2157	60.1	29.9	62	1057
2023-10-16 1:36	2023-10-15 20:36	14.8	Light C - Tote	4.97	21.25	15313	-857	6356	-3326	852	-1648	71.4	18.6	49	450
2023-10-16 1:36	2023-10-15 20:36	14.8	Light C - Tote	4.97	21.25	13387	390	11848	-3439	402	-1384	52	38	110	3128
2023-10-16 1:36	2023-10-15 20:36	14.8	Light C - Tote	4.97	21.2	14049	-3913	10911	-3203	901	-1350	54.2	35.8	98	3769
2023-10-16 2:12	2023-10-15 21:12	17.4	Light D - Teardrop	4.97	21.3	3895	-341	17588	-1626	-690	-2759	14.1	75.9	230	1105
2023-10-16 2:12	2023-10-15 21:12	17	Light D - Teardrop	4.97	21.3	3849	-2709	16898	-1453	-700	-2824	14.4	75.6	256	740
2023-10-16 2:12	2023-10-15 21:12	17	Light D - Teardrop	4.97	21.3	5440	-609	16535	-1385	-782	-2837	20.3	69.7	280	614
2023-10-16 2:12	2023-10-15 21:12	17	Light D - Teardrop	4.97	21.3	5031	-2613	16422	-1150	-636	-2925	18.9	71.1	286	917
2023-10-16 2:12	2023-10-15 21:12	17	Light D - Teardrop	4.97	21.3	5192	-845	17213	-910	-625	-2966	18.7	71.3	311	480
2023-10-16 2:12	2023-10-15 21:12	17	Light D - Teardrop	4.96	21.92	3954	-2138	17355	-588	-474	-3033	14.4	75.6	310	574
2023-10-16 2:12	2023-10-15 21:12	17	Light D - Teardrop	4.97	21.92	5089	-636	16526	-533	-319	-3056	19.1	70.9	346	551
2023-10-16 2:12	2023-10-15 21:12	17	Light D - Teardrop	4.97	21.92	4090	-2491	16839	-319	-42	-3087	15.3	74.7	338	497
2023-10-16 2:12	2023-10-15 21:12	17	Light D - Teardrop	4.96	21.92	4803	-893	16964	-326	239	-3089	17.7	72.3	14	988
2023-10-16 2:12	2023-10-15 21:12	17	Light D - Teardrop	4.97	21.59	4390	-1809	17175	-229	475	-3072	16.1	73.9	16	413
2023-10-16 2:12	2023-10-15 21:12	17	Light D - Teardrop	4.97	21.59	5058	-1053	16333	-315	567	-3044	19.3	70.7	26	1132
2023-10-16 2:12	2023-10-15 21:12	17	Light D - Teardrop	4.96	21.59	4932	-2402	16267	-404	824	-2988	18.8	71.2	26	434
2023-10-16 2:12	2023-10-15 21:12	17	Light D - Teardrop	4.97	21.59	4924	-1111	16755	-499	956	-2953	18.3	71.7	47	1058
2023-10-16 2:12	2023-10-15 21:12	17	Light D - Teardrop	4.96	21.59	4377	-2003	16764	-596						

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-10-16 2:13	2023-10-15 21:13	16.7	Light D - Teardrop	4.96	21.9	4872	-2470	16590	-1912	1113	-2383	18.2	71.8	120	1844
2023-10-16 2:13	2023-10-15 21:13	16.7	Light D - Teardrop	4.97	21.9	6505	-1482	14922	-2081	889	-2364	26.1	63.9	108	918
2023-10-16 2:13	2023-10-15 21:13	16.7	Light D - Teardrop	4.97	21.9	5537	-3160	16297	-2196	475	-2409	20.6	69.4	172	635
2023-10-16 2:13	2023-10-15 21:13	16.7	Light D - Teardrop	4.97	21.9	5415	-2077	16834	-2215	270	-2442	19.8	70.2	172	702
2023-10-16 2:13	2023-10-15 21:13	16.7	Light D - Teardrop	4.96	21.9	4619	-3122	17429	-2169	-1	-2526	16.4	73.6	204	382
2023-10-16 2:13	2023-10-15 21:13	16.7	Light D - Teardrop	4.97	21.91	5550	-2338	16426	-2186	-201	-2512	20.7	69.3	216	764
2023-10-16 2:13	2023-10-15 21:13	16.7	Light D - Teardrop	4.97	21.91	5525	-2344	16083	-2080	-372	-2568	21	69	232	342
2023-10-16 2:13	2023-10-15 21:13	16.7	Light D - Teardrop	4.96	21.91	5318	-2718	17135	-1798	-478	-2718	19.1	70.9	247	410
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.96	21.91	5628	-1910	17085	-1532	-578	-2822	20.2	69.8	268	832
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.96	21.91	5403	-2882	16204	-1153	-455	-2944	20.4	69.6	292	525
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.96	21.64	7471	-1083	16287	-1373	-454	-2897	27.2	62.8	318	1194
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.97	21.64	6980	-2457	15650	-1076	-202	-2983	26.4	63.6	325	539
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.96	21.64	7216	-1811	16039	-940	108	-3026	26.7	63.3	355	528
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.97	21.03	7579	-2935	15333	-856	399	-3012	28.7	61.3	356	1076
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.97	21.03	7312	-1966	15359	-858	682	-2972	28	62	22	256
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.96	21.03	7206	-2894	15640	-939	968	-2864	27	63	29	705
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.97	21.03	6345	-2966	15891	-1059	1274	-2723	23.9	66.1	53	2255
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.97	21.45	7523	-3008	16624	-1255	1349	-2615	26.5	63.5	59	1754
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.96	21.45	6753	-2501	16549	-1541	1393	-2472	24.4	65.6	81	1236
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.97	21.45	7244	-1821	16385	-1760	1336	-2376	26.2	63.8	87	830
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.96	21.45	6799	-3304	16247	-2105	1098	-2243	24.8	65.2	117	978
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.97	21.65	7227	-2009	16214	-2295	894	-2198	26.4	63.6	120	1318
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.97	21.65	6823	-2324	15771	-2476	514	-2185	25.7	64.3	155	511
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.96	21.65	7336	-2007	15722	-2595	274	-2147	27.5	62.5	170	533
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.96	21.65	6820	-2692	16590	-2516	-83	-2271	24.5	65.5	207	628
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.97	21.45	7552	-2386	15300	-2496	-237	-2298	28.8	61.2	226	480
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.97	21.45	7422	-2469	14325	-2442	-442	-2342	30	60	244	2015
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.97	21.45	7587	-2833	16095	-2252	-501	-2461	27.5	62.5	249	643
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.96	21.07	8050	-2340	15603	-2122	-568	-2534	29.8	60.2	264	1037
2023-10-16 2:13	2023-10-15 21:13	16.4	Light D - Teardrop	4.97	21.07	7429	-3277	15452	-1795	-494	-2724	27.9	62.1	277	1524
2023-10-16 2:13	2023-10-15 21:13	16.1	Light D - Teardrop	4.97	21.07	8382	-2074	14971	-1637	-383	-2807	32	58	309	866
2023-10-16 2:13	2023-10-15 21:13	16.1	Light D - Teardrop	4.96	21.19	7745	-2824	15173	-1330	-204	-2935	29.5	60.5	317	707
2023-10-16 2:13	2023-10-15 21:13	16.1	Light D - Teardrop	4.97	21.19	9465	-1975	14390	-1569	-49	-2849	36.3	53.7	340	388
2023-10-16 2:13	2023-10-15 21:13	16.1	Light D - Teardrop	4.97	21.19	9197	-2303	14276	-1452	127	-2885	35.7	54.3	347	800
2023-10-16 2:13	2023-10-15 21:13	16.1	Light D - Teardrop	4.96	21.02	9511	-1750	14997	-1394	408	-2870	35.3	54.7	13	709
2023-10-16 2:13	2023-10-15 21:13	16.1	Light D - Teardrop	4.97	21.02	9046	-1856	14424	-1442	510	-2835	35	55	18	379
2023-10-16 2:13	2023-10-15 21:13	16.1	Light D - Teardrop	4.96	21.02	9393	-2413	14224	-1429	787	-725	36.3	53.7	93	655
2023-10-16 2:13	2023-10-15 21:13	16.1	Light D - Teardrop	4.97	21.12	9602	-2108	14629	-1537	1029	-2651	36.2	53.8	43	845
2023-10-16 2:13	2023-10-15 21:13	16.1	Light D - Teardrop	4.97	21.12	9157	-2428	14741	-1659	1135	-2546	34.6	55.4	53	522
2023-10-16 2:13	2023-10-15 21:13	16.1	Light D - Teardrop	4.97	21.12	9164	-2289	14808	-1790	1267	-2408	34.5	55.5	65	541
2023-10-16 2:13	2023-10-15 21:13	16.1	Light D - Teardrop	4.97	21.05	9835	-1584	15454	-2023	1267	-2248	35.3	54.7	78	989
2023-10-16 2:13	2023-10-15 21:13	16.1	Light D - Teardrop	4.97	21.05	9502	-2004	14322	-2277	1195	-2076	36.5	53.5	87	599
2023-10-16 2:13	2023-10-15 21:13	16.1	Light D - Teardrop	4.96	21.05	9668	-1623	14395	-2439	1089	-1990	36.9	53.1	95	666
2023-10-16 2:14	2023-10-15 21:14	16.1	Light D - Teardrop	4.97	21.32	9020	-2181	14403	-2638	833	-1922	34.9	55.1	119	1131
2023-10-16 2:14	2023-10-15 21:14	16.1	Light D - Teardrop	4.97	21.32	9406	-2112	14415	-2852	643	-1766	36	54	135	442
2023-10-16 2:14	2023-10-15 21:14	16.1	Light D - Teardrop	4.97	21.32	9368	-2039	14516	-2928	456	-1752	35.8	54.2	151	348
2023-10-16 2:14	2023-10-15 21:14	16.1	Light D - Teardrop	4.97	21.13	9357	-2471	14623	-2988	129	-1779	35.4	54.6	189	694
2023-10-16 2:14	2023-10-15 21:14	15.7	Light D - Teardrop	4.97	21.13	9667	-1603	14118	-2990	-64	-1819	37.5	52.5	197	785
2023-10-16 2:14	2023-10-15 21:14	15.7	Light D - Teardrop	4.97	21.13	9280	-2758	15102	-2951	-372	-1888	34.2	55.8	228	1069
2023-10-16 2:14	2023-10-15 21:14	15.7	Light D - Teardrop	4.97	21.1	10325	-1994	13451	-2934	-431	-1892	40.7	49.3	243	1489
2023-10-16 2:14	2023-10-15 21:14	15.7	Light D - Teardrop	4.96	21.1	9343	-2859	14722	-2710	-607	-2110	35	55	250	699
2023-10-16 2:14	2023-10-15 21:14	15.7	Light D - Teardrop	4.97	20.92	9713	-2210	14773	-2567	-653	-2222	36.2	53.8	258	1317
2023-10-16 2:14	2023-10-15 21:14	15.7	Light D - Teardrop	4.97	20.92	9804	-1903	15340	-2376	-640	-2379	35.4	54.6	267	901
2023-10-16 2:14	2023-10-15 21:14	15.7	Light D - Teardrop	4.97	20.92	8915	-2730	15061	-2052	-523	-2600	33.2	56.8	280	686
2023-10-16 2:14	2023-10-15 21:14	15.7	Light D - Teardrop	4.97	21.06	9686	-2037	14715	-1923	-369	-2683	36.3	53.7	306	1206
2023-10-16 2:14	2023-10-15 21:14	15.7	Light D - Teardrop	4.97	21.06	9931	-2420	14253	-1720	-188	-2791	37.7	52.3	323	996
2023-10-16 2:14	2023-10-15 21:14	15.7	Light D - Teardrop	4.96	21.06	9728	-2007	14743	-1597	126	-2832	36.3	53.7	351	541
2023-10-16 2:14	2023-10-15 21:14	15.7	Light D - Teardrop	4.97	21.01	11023	-1374	13515	-1847	251	-2698	42.5	47.5	9	1723
2023-10-16 2:14	2023-10-15 21:14	15.7	Light D - Teardrop	4.96	21.01	10181	-2417	14062	-1756	529	-2684	38.8	51.2	13	1116
2023-10-16 2:14	2023-10-15 21:14	15.7	Light D - Teardrop	4.97	21.01	10521	-1694	14608	-1763	819	-2603	38.8	51.2	42	587
2023-10-16 2:14	2023-10-15 21:14	15.7	Light D - Teardrop	4.96	21.1	10436	-1743	13227	-1982	991	-2415	41.5	48.5	52	773
2023-10-16 2:14	2023-10-15 21:14	15.7	Light D - Teardrop	4.97	21.1	10684	-1620	12635	-2097	1157	-2245	43.6	46.4	60	1326
2023-10-16 2:14	2023-10-15 21:14	15.7	Light D - Teardrop	4.96	21.1	9911	-2053	13444	-2226	1200	-2128	39.5	50.5	76	720
2023-10-16 2:14	2023-10-15 21:14	15.7	Light D - Teardrop	4.97	21.05	10138	-2875	14090	15540	4466	406	38.5	51.5	80	612
2023-10-16 2:14	2023-10-15 21:14	15.4	Light D - Teardrop	4.96	21.05	10784	-1462	12898	-2724	1045	-1697	43.3	46.7	95	709
2023-10-16 2:14	2023-10-15 21:14	15.4	Light D - Teardrop	4.97	21.05	10498	-1980	13817	-2924	746	-1638	40.3	49.7	121	706
2023-10-16 2:14	2023-10-15 21:14	15.4	Light D - Teardrop	4.96	21.22	10312	-1902	13463	-3057	558	-1548	40.6	49.4	136	678
2023-10-16 2:14	2023-10-15 21:14	15.4	Light D - Teardrop	4.97	21.22	10845	-675	14063	-3180	276	-1499	40.9	49.1	146	1325
2023-10-16 2:14	2023-10-15 21:14	15.4	Light D - Teardrop	4.97	21.22	10666	-2268	13455	-3191	-9	-1557	41.5	48.5	202	454
2023-10-16 2:14	2023-10-15 21:14	15.4	Light D - Teardrop	4.97	21.1	10448	-2016	13451	-3209	-117	-1545	41	49	207	591
2023-10-16 2:14	2023-10-15 21:14	15.4	Light D - Teardrop	4.97	21.1	10724	-2584	13361	-3217	-363	-1558	41.7	48.3	232	706

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-10-16 2:14	2023-10-15 21:14	14.8	Light D - Teardrop	4.97	21.1	12508	-1470	11018	-2444	11	-2349	52.3	37.7	345	746
2023-10-16 2:14	2023-10-15 21:14	14.8	Light D - Teardrop	4.96	21.22	12994	-1637	10901	-2405	203	-2355	53.6	36.4	357	532
2023-10-16 2:14	2023-10-15 21:14	14.8	Light D - Teardrop	4.97	21.22	13265	-1706	10145	-2374	576	-2285	56.2	33.8	18	1327
2023-10-16 2:14	2023-10-15 21:14	14.8	Light D - Teardrop	4.97	21.22	13156	-2119	11151	-2381	805	-2191	53.1	36.9	33	1734
2023-10-16 2:15	2023-10-15 21:15	14.8	Light D - Teardrop	4.97	21.19	12592	-1472	11431	-2533	989	-1974	51.4	38.6	62	881
2023-10-16 2:15	2023-10-15 21:15	14.8	Light D - Teardrop	4.96	21.19	12922	-930	11055	-2719	1086	-1703	53.2	36.8	75	470
2023-10-16 2:15	2023-10-15 21:15	14.8	Light D - Teardrop	4.97	21.19	12688	-2291	12230	-2936	1060	-1416	49.2	40.8	94	918
2023-10-16 2:15	2023-10-15 21:15	14.8	Light D - Teardrop	4.96	21.19	13200	-1044	10353	-3177	965	-1089	55.7	34.3	93	557
2023-10-16 2:15	2023-10-15 21:15	14.8	Light D - Teardrop	4.97	21.16	12912	-2819	11177	-3337	718	-945	52.1	37.9	120	710
2023-10-16 2:15	2023-10-15 21:15	14.8	Light D - Teardrop	4.97	21.16	13326	-1519	10648	-3525	471	-690	55	35	123	541
2023-10-16 2:15	2023-10-15 21:15	14.8	Light D - Teardrop	4.97	21.16	13282	-3167	9882	-3699	-95	-520	56	34	225	761
2023-10-16 2:15	2023-10-15 21:15	14.8	Light D - Teardrop	4.97	21.22	14032	-813	9011	-3767	-334	-353	61.2	28.8	235	2120
2023-10-16 3:05	2023-10-15 22:05	16.7	Light B - Tuzyk	4.97	21.2	10707	-2338	13410	-3063	125	-2799	41.7	48.3	277	1724
2023-10-16 3:05	2023-10-15 22:05	16.7	Light B - Tuzyk	4.96	21.2	10535	-2061	14037	-3036	-261	-2829	39.9	50.1	266	2739
2023-10-16 3:05	2023-10-15 22:05	16.7	Light B - Tuzyk	4.97	21.06	10559	-2205	12344	-2979	-363	-2896	43.8	46.2	288	1857
2023-10-16 3:05	2023-10-15 22:05	16.7	Light B - Tuzyk	4.96	21.06	11396	-1924	12994	-2834	-351	-3032	44.5	45.5	304	2140
2023-10-16 3:05	2023-10-15 22:05	16.7	Light B - Tuzyk	4.96	21.06	10166	-1500	11097	-2807	-406	-3051	46.3	43.7	311	2091
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.96	20.95	11505	-1811	12513	-2610	-357	-3236	46	44	317	1319
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.97	20.95	9823	-1248	14857	-2302	-294	-3477	36.5	53.5	316	1375
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.97	21.05	11005	-1481	13153	-2221	-235	-3529	43.3	46.7	333	569
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.97	21.05	10260	-1638	12886	-2083	-104	-3631	41.9	48.1	338	2040
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.96	21.05	9421	-1526	13961	-1984	65	-3693	37.1	52.9	351	624
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.96	21.14	10535	-2143	13836	-1846	257	-3758	40.3	49.7	355	1482
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.97	21.14	9180	-2363	16067	-1711	336	-3813	32.3	57.7	1	1337
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.97	21.11	10235	-2513	13103	-1680	486	-3817	41	49	360	1417
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.97	21.11	9448	-2840	14207	-1672	657	-3809	36.3	53.7	8	1685
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.96	21.11	9780	-1894	13407	-1700	834	-3766	39.3	50.7	26	2045
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.97	21.15	10185	-1678	14266	-1604	1053	-3745	38.6	51.4	36	1503
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.97	21.15	10215	-2473	13297	-1656	1080	-3723	40.6	49.4	26	1201
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.96	21.15	10448	-1531	14009	-1710	1323	-3625	39.9	50.1	44	1933
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.97	21.11	9591	-2224	15027	-1654	1309	-3662	35.3	54.7	46	790
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.96	21.11	8487	-1481	15481	-1688	1369	-3614	31.5	58.5	61	1343
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.96	20.7	9783	-1542	14126	-1820	1337	-3564	37.8	52.2	50	1203
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.97	20.7	8620	-1121	14678	-1812	1398	-3543	33.4	56.6	62	855
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.96	20.7	9846	-2115	13811	-2095	1366	-3374	38.5	51.5	52	390
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.97	20.7	9667	-1698	15189	-2034	1388	-3401	35.4	54.6	61	1269
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.96	21.22	10438	-1651	13476	-2244	1472	-3197	41	49	55	1368
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.96	21.22	10895	-1847	13313	-2433	1446	-3050	42.5	47.5	56	807
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.96	21.12	11564	-1267	13212	-2614	1404	-2875	44.6	45.4	63	1726
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.97	21.12	10820	-1654	13743	-2771	1292	-2782	41.4	48.6	74	1098
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.96	21.12	11570	-543	13794	-2877	1276	-2650	43.3	46.7	78	1147
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.97	21.09	12158	-1606	12634	-3095	1009	-2500	47.3	42.7	73	708
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.96	21.09	11731	-13	12674	-3106	992	-2495	46.3	43.7	81	788
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.97	21.09	9958	-1458	13250	-3188	776	-2465	40.3	49.7	108	1392
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.97	21.09	10613	-1225	12537	-3232	678	-2444	43.8	46.2	97	1135
2023-10-16 3:05	2023-10-15 22:05	16.4	Light B - Tuzyk	4.97	21.25	11121	-2016	12366	-3331	621	-2305	45.3	44.7	108	1652
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.96	21.25	11001	-3066	13669	-3348	398	-2351	41.6	48.4	192	1072
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.97	21.25	11335	-2267	13318	-3355	466	-2332	43.5	46.5	143	1417
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.96	21.22	11914	-2735	12495	-3347	266	-2390	46.6	43.4	255	1300
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.97	21.22	11735	-2416	12116	-3379	19	-2356	47.3	42.7	261	1542
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.96	21.22	11212	-1840	12662	-3339	55	-2416	44.9	45.1	235	791
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.97	21.19	12172	-2264	12535	-3272	-165	-2535	47.3	42.7	279	1438
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.96	21.19	11458	-2296	12713	-3230	-254	-2591	45.2	44.8	272	583
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.96	21.19	10960	-1132	12024	-3159	-148	-2694	46	44	303	1237
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.97	21.03	11999	-1794	12556	-3016	-354	-2841	46.8	43.2	300	548
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.97	21.03	10538	-1588	12685	-2923	-440	-2923	43.1	46.9	292	860
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.96	20.93	11269	-1375	13651	-2729	-299	-3144	42.8	47.2	316	1382
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.97	20.93	11851	-2538	12123	-2587	-300	-3261	47.5	42.5	314	820
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.96	20.93	11224	-1922	12876	-2501	-126	-3346	44.4	45.6	327	1152
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.97	21.02	10637	-2731	13917	-2306	19	-3500	40.2	49.8	321	1415
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.96	21.02	11038	-2904	13948	-2147	43	-3587	41.1	48.9	327	1481
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.97	21.02	11221	-2865	13065	-2150	248	-3583	43.5	46.5	340	1395
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.96	21.12	12439	-2096	11465	-2302	396	-3484	50.7	39.3	357	672
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.97	21.12	12937	-2408	11569	-2281	604	-3473	51.4	38.6	2	1437
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.96	21.12	12847	-2891	10562	-2338	923	-3346	53.5	36.5	4	1767
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.97	21.21	11783	-2206	12511	-2185	1186	-3373	46.5	43.5	32	1573
2023-10-16 3:05	2023-10-15 22:05	16.1	Light B - Tuzyk	4.96	21.21	11320	-3546	11141	-2234	1256	-3308	48	42	12	1331
2023-10-16 3:05	2023-10-15 22:05	15.7	Light B - Tuzyk	4.97	21.21	12931	-2346	12177	-2225	1412	-3250	49.9	40.1	33	567
2023-10-16 3:05	2023-10-15 22:05	15.7	Light B - Tuzyk	4.96	21.15	11336	-2098	11581	-2340	1406	-3161	47.8	42.2	38	1355
2023-10-16 3:06	2023-10-15 22:06	15.7	Light B - Tuzyk	4.97	21.15	12168	-2786	11908	-2486	1488	-2965	48.6	41.4	37	970
2023-10-16 3:06	2023-10-15 22:06	15.7	Light B - Tuzyk	4.96	21.15	12184	-1685								

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-10-16 3:06	2023-10-15 22:06	15.4	Light B - Tuzyk	4.97	21.28	13462	-356	10043	-2906	1312	-2589	57.2	32.8	57	1659
2023-10-16 3:06	2023-10-15 22:06	15.4	Light B - Tuzyk	4.96	21.28	13597	-1769	9764	-3076	1377	-2287	57.9	32.1	54	904
2023-10-16 3:06	2023-10-15 22:06	15.4	Light B - Tuzyk	4.97	21.15	13603	-1549	9683	-3194	1357	-2097	58.3	31.7	62	1309
2023-10-16 3:06	2023-10-15 22:06	15.4	Light B - Tuzyk	4.96	21.15	14308	-1682	9194	-3315	1364	-1855	60.9	29.1	65	1864
2023-10-16 3:06	2023-10-15 22:06	15.4	Light B - Tuzyk	4.96	21.15	14477	-2217	8610	-3472	1136	-1657	62.5	27.5	63	2574
2023-10-16 3:06	2023-10-15 22:06	15.4	Light B - Tuzyk	4.96	21.23	13914	-1945	9392	-3572	1028	-1484	59.5	30.5	82	1465
2023-10-16 3:06	2023-10-15 22:06	15.4	Light B - Tuzyk	4.97	21.23	13668	-1432	9365	-3582	953	-1538	59.4	30.6	83	1045
2023-10-16 3:06	2023-10-15 22:06	15.4	Light B - Tuzyk	4.96	21.23	13053	-2070	11073	-3703	617	-1451	53.1	36.9	120	2026
2023-10-16 3:06	2023-10-15 22:06	15.4	Light B - Tuzyk	4.97	21.27	14574	-2860	9850	-3777	209	-1417	58.7	31.3	242	2058
2023-10-16 3:06	2023-10-15 22:06	15.1	Light B - Tuzyk	4.97	21.27	13087	-2024	9464	-3755	-18	-1547	57.7	32.3	251	2338
2023-10-16 3:06	2023-10-15 22:06	15.1	Light B - Tuzyk	4.97	21.27	15971	-2115	6131	-3880	-284	-1016	71.8	18.2	278	1038
2023-10-16 3:06	2023-10-15 22:06	15.1	Light B - Tuzyk	4.96	21.23	15873	-1191	4903	-3884	-721	-757	76.4	13.6	278	1649
2023-10-16 3:06	2023-10-15 22:06	15.1	Light B - Tuzyk	4.96	21.23	16764	-1153	3471	-3845	-643	-1075	81.2	8.8	287	1270
2023-10-16 3:06	2023-10-15 22:06	15.1	Light B - Tuzyk	4.96	21.23	15168	-782	6328	-3737	-729	-1493	71.3	18.7	294	3276
2023-10-16 3:06	2023-10-15 22:06	15.1	Light B - Tuzyk	4.97	21.07	16185	-1115	4020	-3659	-732	-1709	79.5	10.5	300	662
2023-10-16 3:06	2023-10-15 22:06	15.1	Light B - Tuzyk	4.96	21.07	15692	-73	7256	-3599	-522	-1937	69.1	20.9	331	1111
2023-10-16 3:06	2023-10-15 22:06	15.1	Light B - Tuzyk	4.97	21.07	16050	-7	5637	-3490	-510	-2156	74.5	15.5	346	2378
2023-10-16 3:06	2023-10-15 22:06	15.1	Light B - Tuzyk	4.96	21.23	15419	-470	5456	-3453	-257	-2244	74.6	15.4	346	1179
2023-10-16 3:06	2023-10-15 22:06	15.1	Light B - Tuzyk	4.96	21.23	15397	-345	6873	-3371	79	-2388	69.9	20.1	9	979
2023-10-16 3:06	2023-10-15 22:06	15.1	Light B - Tuzyk	4.96	21.23	15293	-1872	5968	-3329	260	-2434	71.9	18.1	336	1425
2023-10-16 3:06	2023-10-15 22:06	15.1	Light B - Tuzyk	4.97	21.23	16895	-623	4868	-3279	583	-2428	77.1	12.9	16	1532
2023-10-16 3:06	2023-10-15 22:06	15.1	Light B - Tuzyk	4.96	21.32	15475	-1516	5105	-3305	780	-2293	75.1	14.9	2	1637
2023-10-16 3:06	2023-10-15 22:06	15.1	Light B - Tuzyk	4.97	21.32	15332	-968	6383	-3388	921	-2063	71.3	18.7	37	699
2023-10-16 3:06	2023-10-15 22:06	15.1	Light B - Tuzyk	4.96	21.32	15787	-1339	6089	-3355	1279	-1836	72.5	17.5	43	1980
2023-10-16 3:06	2023-10-15 22:06	15.1	Light B - Tuzyk	4.96	21.21	16684	-968	5591	-3460	1195	-1621	74.7	15.3	51	1774
2023-10-16 3:06	2023-10-15 22:06	15.1	Light B - Tuzyk	4.96	21.21	15949	-1289	5571	-3568	1155	-1299	74.3	15.7	57	2074
2023-10-16 3:06	2023-10-15 22:06	14.8	Light B - Tuzyk	4.97	21.21	15803	-1018	6155	-3554	1271	-1169	72.5	17.5	69	1256
2023-10-16 3:06	2023-10-15 22:06	14.8	Light B - Tuzyk	4.96	21.25	15361	-1270	7100	-3674	1046	-984	68.9	21.1	79	2910
2023-10-16 3:06	2023-10-15 22:06	14.8	Light B - Tuzyk	4.97	21.25	15794	-1559	6584	-3775	814	-723	70.8	19.2	83	893
2023-10-16 3:06	2023-10-15 22:06	14.8	Light B - Tuzyk	4.96	21.25	15458	-1731	5365	-3823	660	-563	74.1	15.9	80	2173
2023-10-16 3:06	2023-10-15 22:06	14.8	Light B - Tuzyk	4.96	21.25	15718	-990	5976	-3859	493	-465	73	17	91	1671
2023-10-16 3:06	2023-10-15 22:06	14.8	Light B - Tuzyk	4.97	21.34	15930	-1989	6393	-3924	44	-527	71.2	18.8	249	1010
2023-10-16 3:07	2023-10-15 22:07	14.8	Light B - Tuzyk	4.96	21.34	15378	-1475	5248	-3931	-150	-511	74.6	15.4	268	1023
2023-10-16 3:07	2023-10-15 22:07	14.8	Light B - Tuzyk	4.96	21.34	15969	-531	4338	-3926	-377	-613	78.7	11.3	284	1994
2023-10-16 3:07	2023-10-15 22:07	14.8	Light B - Tuzyk	4.97	21.27	16134	-246	4681	-3889	-607	-882	77.7	12.3	292	1191
2023-10-16 3:07	2023-10-15 22:07	14.8	Light B - Tuzyk	4.96	21.27	15326	-703	6462	-3771	-873	-1302	71.1	18.9	287	1792
2023-10-16 3:07	2023-10-15 22:07	14.8	Light B - Tuzyk	4.97	21.27	15321	-674	5795	-3638	-731	-1782	73.3	16.7	308	1776
2023-10-16 3:07	2023-10-15 22:07	14.8	Light B - Tuzyk	4.96	21.04	13994	-1387	9004	-3449	-546	-2214	61	29	301	1268
2023-10-16 3:07	2023-10-15 22:07	14.8	Light B - Tuzyk	4.97	21.04	14265	-2105	8792	-3159	-550	-2645	61.7	28.3	309	1843
2023-10-16 3:07	2023-10-15 22:07	14.8	Light B - Tuzyk	4.96	21.04	13313	-1523	9579	-2877	-304	-3003	58	32	331	1414
2023-10-16 3:07	2023-10-15 22:07	14.8	Light B - Tuzyk	4.97	21.16	13470	-1485	10463	-2745	-106	-3146	55.8	34.2	341	780
2023-10-16 3:07	2023-10-15 22:07	14.8	Light B - Tuzyk	4.96	21.16	13213	-1381	11758	-2591	85	-3290	51.9	38.1	354	1757
2023-10-16 3:07	2023-10-15 22:07	14.8	Light B - Tuzyk	4.97	21.16	13113	-2471	10930	-2550	427	-3291	53.4	36.6	351	1690
2023-10-16 3:07	2023-10-15 22:07	14.5	Light B - Tuzyk	4.97	21.26	12065	-1878	12403	-2395	635	-3386	47.6	42.4	16	1439
2023-10-16 3:07	2023-10-15 22:07	14.5	Light B - Tuzyk	4.97	21.26	12709	-2162	10901	-2341	740	-3401	52.8	37.2	9	952
2023-10-16 3:07	2023-10-15 22:07	14.5	Light B - Tuzyk	4.96	21.26	12589	-2518	11943	-2333	973	-3345	49.6	40.4	18	1289
2023-10-16 3:07	2023-10-15 22:07	14.5	Light B - Tuzyk	4.96	21.26	12380	-2087	12310	-2307	1158	-3299	48.4	41.6	32	1425
2023-10-16 3:07	2023-10-15 22:07	14.5	Light B - Tuzyk	4.96	21.2	12665	-1742	11493	-2460	1206	-3141	51.3	38.7	34	2552
2023-10-16 3:07	2023-10-15 22:07	14.5	Light B - Tuzyk	4.97	21.12	12648	-2140	11479	-2517	1498	-2938	51.1	38.9	41	1366
2023-10-16 3:07	2023-10-15 22:07	14.5	Light B - Tuzyk	4.96	21.09	12806	-2161	10306	-2695	1620	-2639	54.6	35.4	45	1378
2023-10-16 3:07	2023-10-15 22:07	14.5	Light B - Tuzyk	4.97	21.09	12849	-2629	11672	-2915	1498	-2452	50.8	39.2	57	1716
2023-10-16 3:07	2023-10-15 22:07	14.5	Light B - Tuzyk	4.97	21.09	13425	-1370	10539	-2962	1623	-2264	55.6	34.4	63	1440
2023-10-16 3:07	2023-10-15 22:07	14.5	Light B - Tuzyk	4.96	21.15	12435	-2983	10396	-3131	1497	-2079	53	37	64	2777
2023-10-16 3:07	2023-10-15 22:07	14.5	Light B - Tuzyk	4.97	21.15	13588	-2601	10007	-3323	1283	-1913	56.7	33.3	66	940
2023-10-16 3:07	2023-10-15 22:07	14.5	Light B - Tuzyk	4.96	21.15	13409	-1917	9887	-3379	1205	-1845	57.1	32.9	72	1629
2023-10-16 3:07	2023-10-15 22:07	14.5	Light B - Tuzyk	4.97	21.15	12884	-2695	10992	-3511	953	-1740	52.6	37.4	95	2798
2023-10-16 3:07	2023-10-15 22:07	14.1	Light B - Tuzyk	4.97	21.22	14101	-2978	10439	-3621	706	-1646	54.9	35.1	108	904
2023-10-16 3:07	2023-10-15 22:07	14.1	Light B - Tuzyk	4.96	21.22	12613	-3086	9693	-3635	691	-1629	55.2	34.8	118	1069
2023-10-16 3:07	2023-10-15 22:07	14.1	Light B - Tuzyk	4.97	21.22	13063	-1664	10897	-3600	435	-1886	53.7	36.3	102	1918
2023-10-16 3:07	2023-10-15 22:07	14.1	Light B - Tuzyk	4.97	21.23	12189	-2792	12815	-3520	101	-2129	46.5	43.5	231	1746
2023-10-16 3:07	2023-10-15 22:07	14.1	Light B - Tuzyk	4.97	21.23	12875	-1820	11846	-3481	-22	-2222	50.8	39.2	269	1518
2023-10-16 3:07	2023-10-15 22:07	14.1	Light B - Tuzyk	4.96	21.23	11826	-2286	12539	-3344	-131	-2447	46.5	43.5	266	1892
2023-10-16 3:07	2023-10-15 22:07	14.1	Light B - Tuzyk	4.97	21.12	11234	-1906	12333	-3203	-470	-2604	45.7	44.3	276	1064
2023-10-16 3:07	2023-10-15 22:07	14.1	Light B - Tuzyk	4.96	21.12	10856	-1809	13072	-2978	-360	-2889	43	47	288	1500
2023-10-16 3:07	2023-10-15 22:07	14.1	Light B - Tuzyk	4.97	20.93	10577	-2217	13483	-2775	-315	-3112	41.2	48.8	295	1885
2023-10-16 3:07	2023-10-15 22:07	14.1	Light B - Tuzyk	4.97	20.93	10834	-3279	13316	-2669	-292	-3208	41.8	48.2	294	1589
2023-10-16 3:07	2023-10-15 22:07	14.1	Light B - Tuzyk	4.96	20.93	10864	-1902	14924	-2488	-153	-3365	39	51	315	2666
2023-10-16 3:07	2023-10-15 22:07	14.1	Light B - Tuzyk	4.97	20.99	10630	-3464	13756	-2293	-118	-3507	40.2	49.8	306	2153
2023-10-16 3:07	2023-10-15 22:07	14.1	Light B - Tuzyk	4.97	20.99	10423	-2417	13892	-2189	-73	-3566	39.8	50.2	323	1327
2023-10-16 3:07	2023-10-15 22:07	14.1	Light B - Tuzyk	4.96	20.99	10576	-1926	13340	-2018	141	-3674	41.6	48.4	350	1685
2023-10-16 3:07	2023-10-15 22:07	14.1	Light B - Tuzyk	4.97	21.1	10543	-2853	13605	-188						

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-10-16 4:01	2023-10-15 23:01	22.5	Light A - Dixie	4.97	21.18	6911	-2204	15833	-1606	-392	-3608	26	64	295	628
2023-10-16 4:01	2023-10-15 23:01	22.5	Light A - Dixie	4.96	21.18	6766	91	16229	-1547	-464	-3605	25	65	327	939
2023-10-16 4:01	2023-10-15 23:01	22.5	Light A - Dixie	4.97	21.18	6910	-1215	16357	-1388	-356	-3674	25.3	64.7	320	574
2023-10-16 4:01	2023-10-15 23:01	22.5	Light A - Dixie	4.97	21.66	6998	211	15929	-1246	-225	-3737	26.2	63.8	5	403
2023-10-16 4:01	2023-10-15 23:01	22.5	Light A - Dixie	4.97	21.66	6437	-1077	16554	-1073	-71	-3794	23.5	66.5	353	423
2023-10-16 4:01	2023-10-15 23:01	22.5	Light A - Dixie	4.97	21.66	6128	-1145	18268	-30988	4588	450	21	69	90	1709
2023-10-16 4:01	2023-10-15 23:01	22.5	Light A - Dixie	4.97	21.66	7117	-619	16351	-849	209	-3852	26	64	16	666
2023-10-16 4:01	2023-10-15 23:01	22.5	Light A - Dixie	4.96	21.66	6237	-1478	16374	-718	434	-3876	23.1	66.9	18	731
2023-10-16 4:01	2023-10-15 23:01	22.2	Light A - Dixie	4.97	21.72	6178	-354	16294	-686	472	-3869	23.1	66.9	32	363
2023-10-16 4:01	2023-10-15 23:01	22.2	Light A - Dixie	4.97	21.72	5694	-801	16519	-604	591	-3873	21.2	68.8	33	602
2023-10-16 4:01	2023-10-15 23:01	22.2	Light A - Dixie	4.96	21.72	5577	-103	16641	-567	793	-3858	20.6	69.4	45	705
2023-10-16 4:01	2023-10-15 23:01	22.2	Light A - Dixie	4.97	21.25	6161	-1097	16147	-709	1026	-3803	23.2	66.8	44	630
2023-10-16 4:01	2023-10-15 23:01	22.2	Light A - Dixie	4.96	21.25	5571	-755	16652	-817	1128	-3759	20.6	69.4	57	536
2023-10-16 4:01	2023-10-15 23:01	22.2	Light A - Dixie	4.97	21.25	5636	-1185	16858	-840	1312	-3712	20.6	69.4	59	1350
2023-10-16 4:01	2023-10-15 23:01	22.2	Light A - Dixie	4.96	21.25	5468	25	17099	-956	1279	-3691	19.7	70.3	69	867
2023-10-16 4:01	2023-10-15 23:01	21.9	Light A - Dixie	4.97	21.76	5675	-2072	17294	-1132	1480	-3579	20.1	69.9	68	1238
2023-10-16 4:01	2023-10-15 23:01	21.9	Light A - Dixie	4.97	21.76	5678	-63	16115	-1227	1404	-3577	21.6	68.4	74	498
2023-10-16 4:02	2023-10-15 23:02	21.9	Light A - Dixie	4.97	21.76	4904	-1363	17056	-1394	1406	-3507	17.9	72.1	85	328
2023-10-16 4:02	2023-10-15 23:02	21.9	Light A - Dixie	4.97	21.76	5429	-57	17286	-1565	1374	-3467	19.4	70.6	88	817
2023-10-16 4:02	2023-10-15 23:02	21.9	Light A - Dixie	4.97	21.76	5459	-1549	16685	-1716	1297	-3414	20.2	69.8	92	713
2023-10-16 4:02	2023-10-15 23:02	21.9	Light A - Dixie	4.96	21.62	5219	-551	16961	-1796	1241	-3388	19.1	70.9	97	929
2023-10-16 4:02	2023-10-15 23:02	21.9	Light A - Dixie	4.97	21.62	5219	-1091	16114	-2013	1056	-3315	20.1	69.9	107	868
2023-10-16 4:02	2023-10-15 23:02	21.9	Light A - Dixie	4.96	21.62	4966	-1139	16590	-2023	1025	-3311	18.6	71.4	112	547
2023-10-16 4:02	2023-10-15 23:02	21.9	Light A - Dixie	4.97	21.62	5152	-839	16268	-2103	767	-3326	19.7	70.3	118	1927
2023-10-16 4:02	2023-10-15 23:02	21.9	Light A - Dixie	4.96	21.64	4803	-1033	16094	-2156	629	-3324	18.6	71.4	131	620
2023-10-16 4:02	2023-10-15 23:02	21.9	Light A - Dixie	4.97	21.64	4940	-759	16160	-2233	381	-3292	19.1	70.9	144	677
2023-10-16 4:02	2023-10-15 23:02	21.9	Light A - Dixie	4.96	21.64	5354	-1853	16185	-2280	296	-3266	20.4	69.6	170	1050
2023-10-16 4:02	2023-10-15 23:02	21.9	Light A - Dixie	4.97	21.64	4786	137	16768	-2243	26	-3306	17.8	72.2	157	608
2023-10-16 4:02	2023-10-15 23:02	21.5	Light A - Dixie	4.96	21.64	4689	-2222	16999	-2110	-47	-3387	17.2	72.8	206	742
2023-10-16 4:02	2023-10-15 23:02	21.5	Light A - Dixie	4.97	21.64	5379	-648	16499	-2124	-128	-3362	20.2	69.8	186	622
2023-10-16 4:02	2023-10-15 23:02	21.5	Light A - Dixie	4.96	21.64	6609	-1834	16272	-2215	-330	-3302	24.4	65.6	243	562
2023-10-16 4:02	2023-10-15 23:02	21.5	Light A - Dixie	4.97	22.1	5886	-1003	16462	-2031	-385	-3389	21.9	68.1	234	784
2023-10-16 4:02	2023-10-15 23:02	21.5	Light A - Dixie	4.96	22.1	6187	-1052	16067	-1868	-483	-3453	23.4	66.6	265	563
2023-10-16 4:02	2023-10-15 23:02	21.5	Light A - Dixie	4.97	22.1	6286	-1053	16098	-1750	-474	-3510	23.7	66.3	278	856
2023-10-16 4:02	2023-10-15 23:02	21.5	Light A - Dixie	4.97	22.1	6401	-1128	16444	-1605	-472	-3560	23.6	66.4	291	408
2023-10-16 4:02	2023-10-15 23:02	21.5	Light A - Dixie	4.97	22.1	5865	-2142	16969	-1366	-310	-3678	21.1	68.9	294	1463
2023-10-16 4:02	2023-10-15 23:02	21.5	Light A - Dixie	4.97	21.69	5227	-391	17135	-1243	-326	-3699	18.9	71.1	323	2691
2023-10-16 4:02	2023-10-15 23:02	21.5	Light A - Dixie	4.97	21.69	5746	-1260	15868	-1060	-155	-3761	22.2	67.8	340	531
2023-10-16 4:02	2023-10-15 23:02	21.5	Light A - Dixie	4.96	21.69	5896	-507	16825	-879	-85	-3799	21.5	68.5	3	561
2023-10-16 4:02	2023-10-15 23:02	21.5	Light A - Dixie	4.97	21.69	5706	-1128	15886	-726	70	-3833	22	68	2	482
2023-10-16 4:02	2023-10-15 23:02	21.5	Light A - Dixie	4.97	21.69	5983	-29	16348	-681	157	-3836	22.3	67.7	21	486
2023-10-16 4:02	2023-10-15 23:02	21.2	Light A - Dixie	4.97	21.69	5617	-1610	16540	-564	440	-3865	20.9	69.1	17	981
2023-10-16 4:02	2023-10-15 23:02	21.2	Light A - Dixie	4.97	22.02	5470	-932	16845	-536	554	-3850	20	70	30	776
2023-10-16 4:02	2023-10-15 23:02	21.2	Light A - Dixie	4.97	22.02	5437	-1016	16527	-540	657	-3845	20.3	69.7	33	939
2023-10-16 4:02	2023-10-15 23:02	21.2	Light A - Dixie	4.97	22.02	5282	-762	16142	-555	942	-3812	20.3	69.7	45	972
2023-10-16 4:02	2023-10-15 23:02	21.2	Light A - Dixie	4.97	22.02	5973	-918	16528	-662	984	-3797	22.1	67.9	45	685
2023-10-16 4:02	2023-10-15 23:02	21.2	Light A - Dixie	4.97	22.02	5274	-571	16669	-684	1182	-3744	19.6	70.4	57	901
2023-10-16 4:02	2023-10-15 23:02	21.2	Light A - Dixie	4.97	21.52	5629	-404	16206	-801	1289	-3700	21.4	68.6	60	706
2023-10-16 4:02	2023-10-15 23:02	21.2	Light A - Dixie	4.96	21.52	5153	-1371	17024	-941	1382	-3638	18.8	71.2	66	547
2023-10-16 4:02	2023-10-15 23:02	20.9	Light A - Dixie	4.97	21.52	4929	-230	17600	-1057	1393	-3610	17.5	72.5	77	1060
2023-10-16 4:02	2023-10-15 23:02	20.9	Light A - Dixie	4.97	21.52	5901	-1193	16317	-1277	1434	-3521	22.1	67.9	71	458
2023-10-16 4:02	2023-10-15 23:02	20.9	Light A - Dixie	4.96	21.52	5306	237	16244	-1425	1342	-3492	20.2	69.8	83	720
2023-10-16 4:02	2023-10-15 23:02	20.9	Light A - Dixie	4.97	21.82	5678	-2087	16376	-1628	1393	-3389	21.2	68.8	84	516
2023-10-16 4:02	2023-10-15 23:02	20.9	Light A - Dixie	4.96	21.82	5411	-278	16241	-1847	1274	-3331	20.6	69.4	95	864
2023-10-16 4:02	2023-10-15 23:02	20.9	Light A - Dixie	4.96	21.82	5616	-2287	16866	-2017	1136	-3276	20.4	69.6	109	971
2023-10-16 4:02	2023-10-15 23:02	20.9	Light A - Dixie	4.97	21.82	5798	82	16700	-2123	914	-3264	21.3	68.7	106	444
2023-10-16 4:02	2023-10-15 23:02	20.9	Light A - Dixie	4.97	21.55	5249	-2379	16729	-2187	760	-3259	19.3	70.7	139	300
2023-10-16 4:02	2023-10-15 23:02	20.9	Light A - Dixie	4.97	21.55	5226	-418	16352	-2225	599	-3261	19.8	70.2	126	716
2023-10-16 4:02	2023-10-15 23:02	20.9	Light A - Dixie	4.96	21.55	5023	-1625	17091	-2280	427	-3239	18.3	71.7	156	1263
2023-10-16 4:02	2023-10-15 23:02	20.9	Light A - Dixie	4.97	21.55	5481	-194	17455	-2353	181	-3219	19.4	70.6	151	899
2023-10-16 4:02	2023-10-15 23:02	20.9	Light A - Dixie	4.96	21.55	6218	-1314	16505	-2388	-114	-3194	22.9	67.1	200	967
2023-10-16 4:02	2023-10-15 23:02	20.9	Light A - Dixie	4.97	21.55	6338	-1089	15867	-2356	-164	-3203	24.2	65.8	206	725
2023-10-16 4:02	2023-10-15 23:02	20.6	Light A - Dixie	4.97	21.92	6368	-1223	16173	-2204	-297	-3294	23.8	66.2	230	511
2023-10-16 4:02	2023-10-15 23:02	20.6	Light A - Dixie	4.97	21.92	6575	-1212	16390	-2162	-386	-3316	24.2	65.8	241	418
2023-10-16 4:02	2023-10-15 23:02	20.6	Light A - Dixie	4.96	21.92	6485	-1096	15558	-1992	-436	-3386	25.1	64.9	264	653
2023-10-16 4:02	2023-10-15 23:02	20.6	Light A - Dixie	4.97	21.92	6282	-1854	16822	-1827	-412	-3488	22.6	67.4	264	865
2023-10-16 4:02	2023-10-15 23:02	20.6	Light A - Dixie	4.96	21.52	6639	-360	16414	-1685	-447	-3535	24.4	65.6	299	893
2023-10-16 4:02	2023-10-15 23:02	20.6	Light A - Dixie	4.97	21.52	6277	-1665	17058	-1438	-424	-3620	22.3	67.7	295	526
2023-10-16 4:02	2023-10-15 23:02	20.6	Light A - Dixie	4.96	21.52	6755	-58	16872	-1357	-376	-3656	24.1	65.9	340	671
2023-10-16 4:02	2023-10-15 23:02	20.6	Light A - Dixie	4.97	21.52	6755	-1822	15435	-1195	-272	-3722	26.1	63.9	326	992
2023-10-16 4:02	2023-10-15 23:02	20.6	Light A - Dixie	4.97	21.52	6558	-216	16049	-1075	-85	-3763	24.6	65.4	8	679
2023-10-16 4:02	2023-10-15 23:02	20.6	Light A - Dixie	4.97	21.52	6638	-1202	16212	-913	191	-3819</				

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-10-16 4:03	2023-10-15 23:03	19.6	Light A - Dixie	4.97	21.41	7829	-1324	15720	-1315	220	-3747	29.1	60.9	10	423
2023-10-16 4:03	2023-10-15 23:03	19.6	Light A - Dixie	4.96	21.41	9106	-187	14997	-1394	470	-3705	34.2	55.8	33	1028
2023-10-16 4:03	2023-10-15 23:03	19.6	Light A - Dixie	4.97	21.41	9143	-1714	15139	-1327	697	-3712	34	56	25	1083
2023-10-16 4:03	2023-10-15 23:03	19.6	Light A - Dixie	4.96	21.19	9232	-248	14460	-1442	882	-3641	35.7	54.3	45	336
2023-10-16 4:03	2023-10-15 23:03	19.3	Light A - Dixie	4.97	21.18	8793	-1607	14996	-1469	1151	-3574	33.3	56.7	46	953
2023-10-16 4:03	2023-10-15 23:03	19.3	Light A - Dixie	4.97	21.18	8825	-680	14886	-1583	1278	-3471	33.6	56.4	57	488
2023-10-16 4:03	2023-10-15 23:03	19.3	Light A - Dixie	4.97	21.23	8468	-1757	15669	-1735	1374	-3369	31.1	58.9	62	869
2023-10-16 4:03	2023-10-15 23:03	19.3	Light A - Dixie	4.96	21.23	8845	-1161	14884	-1945	1438	-3217	33.7	56.3	66	1402
2023-10-16 4:03	2023-10-15 23:03	19.3	Light A - Dixie	4.97	21.23	8404	-1799	14960	-2202	1364	-3065	32.1	57.9	74	336
2023-10-16 4:03	2023-10-15 23:03	19.3	Light A - Dixie	4.96	21.08	8964	-1377	14985	-2514	1258	-2847	33.8	56.2	86	862
2023-10-16 4:03	2023-10-15 23:03	19.3	Light A - Dixie	4.97	21.08	8346	-657	15017	-2608	1055	-2855	32	58	96	810
2023-10-16 4:03	2023-10-15 23:03	19.3	Light A - Dixie	4.96	21.08	8752	-1939	14989	-2712	882	-2805	33.1	56.9	104	926
2023-10-16 4:03	2023-10-15 23:03	19.3	Light A - Dixie	4.97	20.98	8263	-258	15563	-2821	705	-2767	30.7	59.3	114	894
2023-10-16 4:03	2023-10-15 23:03	19.3	Light A - Dixie	4.97	20.98	8219	-1654	14706	-2913	403	-2729	32.1	57.9	150	128
2023-10-16 4:03	2023-10-15 23:03	19.3	Light A - Dixie	4.97	20.98	10333	-915	14091	-3195	137	-2440	39.5	50.5	155	911
2023-10-16 4:03	2023-10-15 23:03	19.3	Light A - Dixie	4.96	21.22	9862	-1549	14209	-3056	-164	-2603	37.9	52.1	230	1061
2023-10-16 4:03	2023-10-15 23:03	19	Light A - Dixie	4.96	21.22	10167	136	13844	-3025	-322	-2627	39.6	50.4	207	1167
2023-10-16 4:03	2023-10-15 23:03	19	Light A - Dixie	4.96	21.22	9892	-1644	14473	-2867	-496	-2792	37.4	52.6	263	1190
2023-10-16 4:03	2023-10-15 23:03	19	Light A - Dixie	4.97	21.18	10494	-271	13770	-2781	-514	-2846	40.6	49.4	297	298
2023-10-16 4:03	2023-10-15 23:03	19	Light A - Dixie	4.96	21.18	10027	-1412	13861	-2514	-580	-3054	39.1	50.9	298	756
2023-10-16 4:03	2023-10-15 23:03	19	Light A - Dixie	4.97	21.18	10041	-1283	13763	-2369	-469	-3189	39.4	50.6	311	991
2023-10-16 4:03	2023-10-15 23:03	19	Light A - Dixie	4.96	21	10098	-1361	14287	-2121	-377	-3366	38.4	51.6	322	261
2023-10-16 4:03	2023-10-15 23:03	19	Light A - Dixie	4.96	21	10547	-1279	13685	-2101	-283	-3391	40.9	49.1	333	506
2023-10-16 4:03	2023-10-15 23:03	19	Light A - Dixie	4.97	21	10727	-1148	12472	-2040	-202	-3434	44.3	45.7	343	417
2023-10-16 4:03	2023-10-15 23:03	19	Light A - Dixie	4.96	21.3	9428	-1473	15500	-1871	106	-3537	34.2	55.8	358	925
2023-10-16 4:03	2023-10-15 23:03	19	Light A - Dixie	4.96	21.3	10035	-701	13978	-1717	245	-3600	38.9	51.1	16	530
2023-10-16 4:03	2023-10-15 23:03	19	Light A - Dixie	4.97	21.3	10040	-1852	17952	-31519	4490	428	31.8	58.2	91	797
2023-10-16 4:03	2023-10-15 23:03	19	Light A - Dixie	4.96	21.18	10875	-1440	14462	-1761	806	-3513	40.1	49.9	32	622
2023-10-16 4:03	2023-10-15 23:03	19	Light A - Dixie	4.97	21.18	9927	-2337	14309	-1713	1027	-3487	37.7	52.3	32	907
2023-10-16 4:03	2023-10-15 23:03	18.6	Light A - Dixie	4.96	21.18	9970	70	14226	-1861	1046	-3392	38.2	51.8	56	452
2023-10-16 4:03	2023-10-15 23:03	18.6	Light A - Dixie	4.96	21.17	9413	-2090	14271	-1975	1308	-3246	36.4	53.6	52	960
2023-10-16 4:03	2023-10-15 23:03	18.6	Light A - Dixie	4.97	21.17	9861	-540	13818	-2115	1345	-3135	38.8	51.2	62	544
2023-10-16 4:03	2023-10-15 23:03	18.6	Light A - Dixie	4.97	21.17	10047	-2525	14175	-2320	1416	-2929	38.2	51.8	61	316
2023-10-16 4:03	2023-10-15 23:03	18.6	Light A - Dixie	4.96	21.06	10838	-443	13150	-2611	1322	-2706	43	47	72	528
2023-10-16 4:03	2023-10-15 23:03	18.6	Light A - Dixie	4.97	21.06	10263	-2393	13267	-2903	1189	-2443	40.8	49.2	88	115
2023-10-16 4:03	2023-10-15 23:03	18.6	Light A - Dixie	4.96	20.88	11078	-319	13276	-3052	949	-2397	43.3	46.7	89	1246
2023-10-16 4:03	2023-10-15 23:03	18.6	Light A - Dixie	4.97	20.88	11135	-2405	12816	-3225	743	-2226	44.1	45.9	109	1107
2023-10-16 4:03	2023-10-15 23:03	18.6	Light A - Dixie	4.96	20.88	11256	-592	13323	-3316	537	-2180	43.6	46.4	111	640
2023-10-16 4:03	2023-10-15 23:03	18.3	Light A - Dixie	4.97	20.88	11181	-1333	13831	-3375	200	-2164	42.2	47.8	160	787
2023-10-16 4:03	2023-10-15 23:03	18.3	Light A - Dixie	4.97	21.18	11442	-1137	12572	-3413	61	-2137	45.8	44.2	178	1103
2023-10-16 4:04	2023-10-15 23:04	18.3	Light A - Dixie	4.97	21.18	11693	-1185	12205	-3449	-200	-2094	47.4	42.6	234	1399
2023-10-16 4:04	2023-10-15 23:04	18.3	Light A - Dixie	4.96	21.18	11777	-1545	12027	-3394	-281	-2179	47.9	42.1	256	547
2023-10-16 4:04	2023-10-15 23:04	18.3	Light A - Dixie	4.97	21.2	10767	-1143	12424	-3247	-490	-2368	44.5	45.5	259	2097
2023-10-16 4:04	2023-10-15 23:04	18.3	Light A - Dixie	4.96	21.2	12228	-1718	11656	-3214	-510	-2420	49.9	40.1	284	523
2023-10-16 4:04	2023-10-15 23:04	18.3	Light A - Dixie	4.97	21.03	11869	-1008	12146	-3013	-621	-2621	48	42	295	1542
2023-10-16 4:04	2023-10-15 23:04	18.3	Light A - Dixie	4.96	21.03	12455	-922	11125	-2835	-554	-2821	52	38	321	598
2023-10-16 4:04	2023-10-15 23:04	18	Light A - Dixie	4.97	21.03	12292	-798	12604	-2651	-430	-3001	47.8	42.2	331	982
2023-10-16 4:04	2023-10-15 23:04	18	Light A - Dixie	4.97	21.12	12983	-1571	12385	-2536	-192	-3144	49.7	40.3	336	327
2023-10-16 4:04	2023-10-15 23:04	18	Light A - Dixie	4.97	21.12	11901	34	12582	-2427	-66	-3220	47	43	12	480
2023-10-16 4:04	2023-10-15 23:04	18	Light A - Dixie	4.96	21.12	12439	-1698	11888	-2324	221	-3287	49.8	40.2	356	1330
2023-10-16 4:04	2023-10-15 23:04	18	Light A - Dixie	4.97	21.12	12333	-74	12121	-2336	441	-3261	49.1	40.9	31	824
2023-10-16 4:04	2023-10-15 23:04	18	Light A - Dixie	4.96	21.29	12471	-1655	11552	-2368	672	-3202	50.7	39.3	17	579
2023-10-16 4:04	2023-10-15 23:04	18	Light A - Dixie	4.97	21.29	12977	-40	10541	-2471	816	-3082	54.8	35.2	38	666
2023-10-16 4:04	2023-10-15 23:04	18	Light A - Dixie	4.96	21.29	12958	-1974	10732	-2524	1028	-2949	53.8	36.2	25	846
2023-10-16 4:04	2023-10-15 23:04	18	Light A - Dixie	4.97	21.26	12867	113	11451	-2643	1135	-2788	52	38	57	611
2023-10-16 4:04	2023-10-15 23:04	18	Light A - Dixie	4.96	21.26	12767	-1389	11581	-2776	1215	-2605	51.4	38.6	54	551
2023-10-16 4:04	2023-10-15 23:04	18	Light A - Dixie	4.96	21.26	12743	-338	11074	-2982	1257	-2316	52.8	37.2	70	642
2023-10-16 4:04	2023-10-15 23:04	18	Light A - Dixie	4.96	21.15	13296	-1547	10458	-3190	1198	-2048	55.5	34.5	68	1060
2023-10-16 4:04	2023-10-15 23:04	18	Light A - Dixie	4.97	21.15	13061	-437	10883	-3364	1071	-1829	54	36	84	884
2023-10-16 4:04	2023-10-15 23:04	17.7	Light A - Dixie	4.96	21.15	13193	-1114	11052	-3485	832	-1726	53.7	36.3	92	672
2023-10-16 4:04	2023-10-15 23:04	17.7	Light A - Dixie	4.97	21.05	13354	-702	10355	-3611	656	-1560	56.1	33.9	95	977
2023-10-16 4:04	2023-10-15 23:04	17.7	Light A - Dixie	4.96	21.05	12607	-1472	10352	-3646	320	-1652	54.4	35.6	129	884
2023-10-16 4:04	2023-10-15 23:04	17.7	Light A - Dixie	4.97	21.05	13104	-1663	10935	-3764	65	-1423	53.7	36.3	195	477
2023-10-16 4:04	2023-10-15 23:04	17.7	Light A - Dixie	4.96	21.31	1636	-1297	16354	-2484	-352	-3035	6.8	83.2	196	1917
2023-11-16 0:38	2023-11-15 18:38	19	Light C - Tote	4.96	21.58	6154	-2006	16944	-1414	730	-2876	22.1	67.9	67	2339
2023-11-16 0:38	2023-11-15 18:38	19	Light C - Tote	4.97	21.58	4748	358	16523	-901	673	-3041	18	72	63	2142
2023-11-16 0:38	2023-11-15 18:38	18.6	Light C - Tote	4.96	21.27	5547	-111	16297	-660	483	-3136	21	69	37	3636
2023-11-16 0:38	2023-11-15 18:38	18.6	Light C - Tote	4.96	21.27	3991	96	16951	-628	-45	-3206	14.9	75.1	19	1068
2023-11-16 0:38	2023-11-15 18:38	18.6	Light C - Tote	4.96	21.27	5434	-1042	16057	-722	-135	-3195	20.9	69.1	350	1646
2023-11-16 0:38	2023-11-15 18:38	18.6	Light C - Tote	4.97	21.27	7286	1152	15447	-1010	-620	-3140	27.8	62.2	354	1593
2023-11-16 0:38	2023-11-15 18:38	18.6	Light C - Tote	4.96	21.27	6652	-1513	17709	-1219	-874	-3072	22.7	67.3	297	1954
2023-11-16 0:38	2023-11-15 18:38	18.6	Light C - Tote	4.96	21.27	6992	1066	16966	-1486	-1226	-2923</				

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-11-16 0:38	2023-11-15 18:38	18.3	Light C - Tote	4.96	20.83	9358	-718	13609	-1430	-177	-3047	37.8	52.2	353	2543
2023-11-16 0:38	2023-11-15 18:38	18.3	Light C - Tote	4.96	20.83	8139	1186	14715	-1555	-800	-2983	31.7	58.3	339	1378
2023-11-16 0:38	2023-11-15 18:38	18.3	Light C - Tote	4.96	21.28	9782	700	14255	-1884	-1285	-2759	37.5	52.5	308	1861
2023-11-16 0:38	2023-11-15 18:38	18.3	Light C - Tote	4.96	21.28	8804	1049	14864	-2036	-1493	-2621	33.5	56.5	287	2042
2023-11-16 0:38	2023-11-15 18:38	18.3	Light C - Tote	4.97	21.28	8297	-262	14886	-2429	-1487	-2395	32.1	57.9	265	2193
2023-11-16 0:38	2023-11-15 18:38	18.3	Light C - Tote	4.96	20.92	7840	112	16239	-2836	-1320	-2125	28.3	61.7	241	2263
2023-11-16 0:39	2023-11-15 18:39	18.3	Light C - Tote	4.96	20.92	8587	68	14339	-3010	-815	-2047	34	56	228	602
2023-11-16 0:39	2023-11-15 18:39	18	Light C - Tote	4.96	20.97	7979	501	12005	-2954	-433	-2100	37.2	52.8	196	909
2023-11-16 0:39	2023-11-15 18:39	18	Light C - Tote	4.97	20.97	8516	822	14725	-2705	84	-2263	32.9	57.1	134	841
2023-11-16 0:39	2023-11-15 18:39	18	Light C - Tote	4.96	20.97	8454	-369	14812	-2397	355	-2444	32.7	57.3	110	1109
2023-11-16 0:39	2023-11-15 18:39	18	Light C - Tote	4.96	21.06	7426	481	17150	-1927	524	-2711	25.7	64.3	95	1191
2023-11-16 0:39	2023-11-15 18:39	18	Light C - Tote	4.96	21.06	9048	-198	14325	-1752	397	-2831	35.4	54.6	43	1806
2023-11-16 0:39	2023-11-15 18:39	18	Light C - Tote	4.97	21.06	10309	-55	13723	-1739	-81	-2928	40.2	49.8	8	741
2023-11-16 0:39	2023-11-15 18:39	18	Light C - Tote	4.96	20.97	8988	280	14704	-1655	-659	-2962	34.4	55.6	334	1393
2023-11-16 0:39	2023-11-15 18:39	18	Light C - Tote	4.96	20.97	10431	600	14675	-2222	-1418	-2548	38.5	51.5	291	2109
2023-11-16 0:39	2023-11-15 18:39	18	Light C - Tote	4.96	21.23	8679	-366	15471	-2693	-1431	-2213	32.1	57.9	256	1752
2023-11-16 0:39	2023-11-15 18:39	18	Light C - Tote	4.96	21.23	9194	353	15141	-2964	-1258	-2030	34.2	55.8	245	2216
2023-11-16 0:39	2023-11-15 18:39	18	Light C - Tote	4.96	20.81	8031	-880	14381	-3110	-944	-1937	32.2	57.8	235	1184
2023-11-16 0:39	2023-11-15 18:39	18	Light C - Tote	4.96	20.81	10199	-1243	14797	-3208	-289	-1799	37.6	52.4	208	2735
2023-11-16 0:39	2023-11-15 18:39	17.7	Light C - Tote	4.96	20.81	9308	71	16202	-2949	190	-1984	32.6	57.4	148	1568
2023-11-16 0:39	2023-11-15 18:39	17.7	Light C - Tote	4.96	21.12	9406	-99	14789	-2817	317	-2065	35.5	54.5	131	1100
2023-11-16 0:39	2023-11-15 18:39	17.7	Light C - Tote	4.96	21.12	10728	-842	14305	-2510	533	-2281	40.1	49.9	85	1867
2023-11-16 0:39	2023-11-15 18:39	17.7	Light C - Tote	4.96	21.12	9000	-1445	13242	-2122	436	-2614	37.5	52.5	41	1148
2023-11-16 0:39	2023-11-15 18:39	17.7	Light C - Tote	4.96	20.87	10507	286	12159	-2012	218	-2733	44.5	45.5	32	3106
2023-11-16 0:39	2023-11-15 18:39	17.7	Light C - Tote	4.96	20.87	12152	-468	12684	-2290	-143	-2628	47.3	42.7	357	1986
2023-11-16 0:39	2023-11-15 18:39	17.7	Light C - Tote	4.97	21.1	10923	166	12666	-2276	-590	-2659	44.3	45.7	332	2406
2023-11-16 0:39	2023-11-15 18:39	17.7	Light C - Tote	4.96	21.1	11389	258	12955	-2244	-933	-2655	44.8	45.2	317	1529
2023-11-16 0:39	2023-11-15 18:39	17.7	Light C - Tote	4.97	21.1	12611	245	11900	-2470	-1241	-2450	50.3	39.7	308	1559
2023-11-16 0:39	2023-11-15 18:39	17.7	Light C - Tote	4.96	21.15	11934	96	11610	-2971	-1474	-1957	49.5	40.5	280	1104
2023-11-16 0:39	2023-11-15 18:39	17.7	Light C - Tote	4.96	21.15	114	11274	18210	3125	4484	420	0.7	89.3	118	19132
2023-11-16 0:39	2023-11-15 18:39	17.7	Light C - Tote	4.96	21.15	12058	-14	12647	-3497	-924	-1394	47.2	42.8	245	2138
2023-11-16 0:39	2023-11-15 18:39	17.7	Light C - Tote	4.96	20.95	11109	200	14213	-3488	-189	-1333	41.2	48.8	180	1465
2023-11-16 0:39	2023-11-15 18:39	17.7	Light C - Tote	4.96	20.95	11403	837	11990	-3341	-17	-1524	47.1	42.9	139	640
2023-11-16 0:39	2023-11-15 18:39	17.7	Light C - Tote	4.96	20.95	14459	1402	10395	-2933	403	-1912	57.6	32.4	70	3310
2023-11-16 0:39	2023-11-15 18:39	17.7	Light C - Tote	4.96	21.11	13079	-1155	12015	-2596	370	-2282	51	39	31	2528
2023-11-16 0:39	2023-11-15 18:39	17.7	Light C - Tote	4.96	21.11	12133	290	15354	-2217	86	-2643	41.3	48.7	38	2571
2023-11-16 0:39	2023-11-15 18:39	17.4	Light C - Tote	4.96	21.11	13366	-356	7723	-2980	-399	-2082	64.3	25.7	337	3658
2023-11-16 0:39	2023-11-15 18:39	17.4	Light C - Tote	4.96	21.17	15294	-881	6931	-3279	-778	-1728	69.5	20.5	303	2639
2023-11-16 0:39	2023-11-15 18:39	17.4	Light C - Tote	4.96	21.17	16002	447	7266	-3307	-1419	-1590	69.3	20.7	301	3932
2023-11-16 0:39	2023-11-15 18:39	17.4	Light C - Tote	4.96	21.17	13930	4884	7202	-3339	-1915	-1265	60.6	29.4	325	2705
2023-11-16 0:39	2023-11-15 18:39	17.4	Light C - Tote	4.96	21.22	16661	-1160	5454	-3687	-1761	-637	75	15	276	4104
2023-11-16 0:39	2023-11-15 18:39	17.4	Light C - Tote	4.96	21.22	13857	-668	7654	-3877	-1401	-268	65.3	24.7	269	2168
2023-11-16 0:39	2023-11-15 18:39	17.4	Light C - Tote	4.96	21.22	12795	322	8926	-3956	-752	-69	59.2	30.8	256	3243
2023-11-16 0:39	2023-11-15 18:39	17.4	Light C - Tote	4.96	21.12	15283	218	7018	-3887	-316	-232	69.3	20.7	237	7504
2023-11-16 0:39	2023-11-15 18:39	17.4	Light C - Tote	4.96	21.12	14968	231	9208	-3767	58	-481	62.2	27.8	133	1810
2023-11-16 0:39	2023-11-15 18:39	17.4	Light C - Tote	4.97	21.12	14663	-72	8530	-3436	415	-1128	63.8	26.2	88	1230
2023-11-16 0:39	2023-11-15 18:39	17.4	Light C - Tote	4.96	21.25	13458	1052	10944	-2917	281	-1987	54.4	35.6	70	1911
2023-11-16 0:39	2023-11-15 18:39	17.4	Light C - Tote	4.97	21.25	13659	1124	9749	-2837	-71	-2176	58	32	40	946
2023-11-16 0:39	2023-11-15 18:39	17.4	Light C - Tote	4.96	21.25	13468	1416	9783	-2709	-535	-2345	57.4	32.6	10	1319
2023-11-16 0:39	2023-11-15 18:39	17	Light C - Tote	4.96	21.25	14471	602	10896	-2780	-1053	-2247	56.6	33.4	316	2929
2023-11-16 0:39	2023-11-15 18:39	17	Light C - Tote	4.96	21.23	13601	383	12087	-2915	-1389	-2043	51.9	38.1	288	1370
2023-11-16 0:39	2023-11-15 18:39	17	Light C - Tote	4.96	21.23	12510	-236	11642	-3158	-1552	-1730	50.8	39.2	274	2564
2023-11-16 0:39	2023-11-15 18:39	17	Light C - Tote	4.96	21.23	10543	-251	12314	-3426	-1320	-1440	44.2	45.8	254	1374
2023-11-16 0:39	2023-11-15 18:39	17	Light C - Tote	4.96	21.06	10497	-1336	13819	-3575	-874	-1267	40.5	49.5	238	2989
2023-11-16 0:39	2023-11-15 18:39	17	Light C - Tote	4.96	21.06	13112	-652	11979	-3566	-296	-1225	51.2	38.8	214	2780
2023-11-16 0:39	2023-11-15 18:39	17	Light C - Tote	4.96	21.08	12117	-326	12488	-3413	212	-1302	47.7	42.3	140	2199
2023-11-16 0:39	2023-11-15 18:39	17	Light C - Tote	4.96	21.08	11905	-1169	11753	-2856	579	-1921	49	41	81	1242
2023-11-16 0:39	2023-11-15 18:39	17	Light C - Tote	4.96	21.08	12321	538	11140	-2363	456	-2446	51.6	38.4	48	3449
2023-11-16 0:39	2023-11-15 18:39	17	Light C - Tote	4.96	21.03	11719	-206	11577	-2189	-151	-2696	49.1	40.9	1	1660
2023-11-16 0:39	2023-11-15 18:39	17	Light C - Tote	4.96	21.03	12149	1214	12049	-2291	-901	-2634	48.6	41.4	339	1378
2023-11-16 0:39	2023-11-15 18:39	17	Light C - Tote	4.96	21.03	12945	293	12363	-2542	-1400	-2351	49.8	40.2	300	2246
2023-11-16 0:39	2023-11-15 18:39	17	Light C - Tote	4.96	21.19	11564	1035	11718	-2774	-1587	-2098	48.1	41.9	287	1488
2023-11-16 0:39	2023-11-15 18:39	16.7	Light C - Tote	4.97	21.2	12003	1228	14388	-2909	-1697	-1924	42.8	47.2	270	1459
2023-11-16 0:39	2023-11-15 18:39	16.7	Light C - Tote	4.96	21.2	10423	1985	12649	-3283	-1374	-1617	42.4	47.6	247	940
2023-11-16 0:39	2023-11-15 18:39	16.7	Light C - Tote	4.96	20.93	9399	118	14845	-3333	-574	-1659	35.4	54.6	209	3842
2023-11-16 0:40	2023-11-15 18:40	16.7	Light C - Tote	4.96	20.93	12623	-368	13563	-3285	7	-1609	46.3	43.7	161	6808
2023-11-16 0:40	2023-11-15 18:40	16.7	Light C - Tote	4.96	20.93	10581	-2968	12000	-2626	629	-2125	44.3	45.7	50	8837
2023-11-16 1:12	2023-11-15 19:12	17.7	Light D - Teardrop	4.96	22.11	6657	-2688	15118	-1770	1461	-2888	26.1	63.9	77	1905
2023-11-16 1:12	2023-11-15 19:12	17.7	Light D - Teardrop	4.96	22.11	4997	-2000	15720	-1832	1241	-2949	19.7	70.3	101	2301
2023-11-16 1:12	2023-11-15 19:12	17.7	Light D - Teardrop	4.96	22.11	4322	-3816	14863	-2007	850	-2985	17.8	72.2	165	1095
2023-11-16 1:12	2023-11-15 19:12	17.7	Light D - Teardrop	4.96	22.11	6400	-2341	15368	-2119	439	-2999	24.9	65.1	149	1866
2023-11-16 1:12	2023-11-15 19:12	17.4	Light D - Teardrop	4.97</											

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-11-16 1:13	2023-11-15 19:13	17	Light D - Teardrop	4.97	21.01	8786	-5194	13919	-1182	1529	-3164	33.7	56.3	14	1162
2023-11-16 1:13	2023-11-15 19:13	17	Light D - Teardrop	4.96	21.01	10465	-3645	13560	-1397	1729	-2955	40.1	49.9	32	924
2023-11-16 1:13	2023-11-15 19:13	17	Light D - Teardrop	4.97	21.17	9262	-4881	14686	-1405	1946	-2807	33.9	56.1	41	756
2023-11-16 1:13	2023-11-15 19:13	16.7	Light D - Teardrop	4.97	21.17	9625	-4013	15039	-1507	2016	-2694	34.8	55.2	52	3340
2023-11-16 1:13	2023-11-15 19:13	16.7	Light D - Teardrop	4.96	21.17	9455	-4915	15070	-2163	1755	-2359	33.8	56.2	76	1690
2023-11-16 1:13	2023-11-15 19:13	16.7	Light D - Teardrop	4.96	21.17	8058	-2516	14741	-2349	1427	-2417	31.3	58.7	94	3292
2023-11-16 1:13	2023-11-15 19:13	16.7	Light D - Teardrop	4.97	21.44	9008	-3347	14401	-2680	1033	-2273	34.5	55.5	115	1169
2023-11-16 1:13	2023-11-15 19:13	16.7	Light D - Teardrop	4.96	21.44	8153	-3888	14824	-2752	744	-2330	30.9	59.1	161	835
2023-11-16 1:13	2023-11-15 19:13	16.7	Light D - Teardrop	4.97	21.44	8143	-5048	14696	-2694	400	-2505	30.5	59.5	225	1446
2023-11-16 1:13	2023-11-15 19:13	16.7	Light D - Teardrop	4.96	21.23	8550	-4019	14625	-2309	-88	-2905	32.4	57.6	274	2320
2023-11-16 1:13	2023-11-15 19:13	16.7	Light D - Teardrop	4.96	21.23	7836	-3319	15774	-2043	-117	-3088	28.6	61.4	280	2751
2023-11-16 1:13	2023-11-15 19:13	16.7	Light D - Teardrop	4.96	21.03	9332	-3556	15380	-1687	88	-3307	33.5	56.5	322	1756
2023-11-16 1:13	2023-11-15 19:13	16.7	Light D - Teardrop	4.96	21.03	9612	-3000	13104	-1501	311	-3363	39.1	50.9	345	2931
2023-11-16 1:13	2023-11-15 19:13	16.7	Light D - Teardrop	4.96	21.03	10184	-3745	15289	-1362	783	-3355	35.9	54.1	4	1758
2023-11-16 1:13	2023-11-15 19:13	16.7	Light D - Teardrop	4.97	21.04	10106	-3834	13146	-1380	1273	-3185	39.9	50.1	15	1651
2023-11-16 1:13	2023-11-15 19:13	16.4	Light D - Teardrop	4.97	21.04	8165	-3925	15609	-1429	1466	-3081	29.7	60.3	41	1268
2023-11-16 1:13	2023-11-15 19:13	16.4	Light D - Teardrop	4.96	21.11	9524	-3884	13569	-1982	1701	-2563	37.3	52.7	56	2916
2023-11-16 1:13	2023-11-15 19:13	16.4	Light D - Teardrop	4.96	21.11	11331	-4078	13452	-2351	1649	-2238	42.3	47.7	63	835
2023-11-16 1:13	2023-11-15 19:13	16.4	Light D - Teardrop	4.96	21.11	11428	-2397	11465	-2859	1266	-1868	48.2	41.8	80	1439
2023-11-16 1:13	2023-11-15 19:13	16.4	Light D - Teardrop	4.97	21.16	10128	-2602	12666	-3051	927	-1794	41.7	48.3	116	1286
2023-11-16 1:13	2023-11-15 19:13	16.4	Light D - Teardrop	4.96	21.16	9775	-3799	13282	-3040	393	-2084	38.7	51.3	205	1557
2023-11-16 1:13	2023-11-15 19:13	16.4	Light D - Teardrop	4.97	21.16	10382	-2449	12671	-2941	47	-2279	42.5	47.5	250	1559
2023-11-16 1:13	2023-11-15 19:13	16.4	Light D - Teardrop	4.96	21.09	8908	-5061	15060	-2630	-172	-2637	32.2	57.8	255	1346
2023-11-16 1:13	2023-11-15 19:13	16.4	Light D - Teardrop	4.96	21.09	10403	-1659	13747	-2431	-388	-2797	40.3	49.7	301	862
2023-11-16 1:13	2023-11-15 19:13	16.4	Light D - Teardrop	4.96	21.09	7805	-1751	13267	-2046	-178	-3090	33.6	56.4	313	989
2023-11-16 1:13	2023-11-15 19:13	16.4	Light D - Teardrop	4.96	20.98	10957	-3425	14093	-1746	75	-3258	40.4	49.6	330	1760
2023-11-16 1:13	2023-11-15 19:13	16.4	Light D - Teardrop	4.96	20.98	12706	-1965	11121	-1831	478	-3192	52.3	37.7	2	1280
2023-11-16 1:13	2023-11-15 19:13	16.4	Light D - Teardrop	4.96	20.98	12320	-3075	10529	-1971	1004	-2943	52.3	37.7	6	2480
2023-11-16 1:13	2023-11-15 19:13	16.1	Light D - Teardrop	4.96	21.17	12466	-5766	10763	-2191	1485	-2534	49.2	40.8	358	1977
2023-11-16 1:13	2023-11-15 19:13	16.1	Light D - Teardrop	4.96	21.17	14234	-3964	10908	-2425	1757	-2054	54.5	35.5	43	2857
2023-11-16 1:13	2023-11-15 19:13	16.1	Light D - Teardrop	4.96	21.17	12471	-4046	8139	-2686	1726	-1686	58.1	31.9	39	2129
2023-11-16 1:13	2023-11-15 19:13	16.1	Light D - Teardrop	4.96	21.12	12797	-4074	9343	-3037	1387	-1395	55.5	34.5	71	1891
2023-11-16 1:13	2023-11-15 19:13	16.1	Light D - Teardrop	4.96	21.12	13879	-2426	10193	-3383	849	-1092	56.9	33.1	100	1572
2023-11-16 1:13	2023-11-15 19:13	16.1	Light D - Teardrop	4.96	21.12	13175	-2265	10158	-3558	328	-962	55.7	34.3	153	1795
2023-11-16 1:13	2023-11-15 19:13	16.1	Light D - Teardrop	4.96	21.2	13564	-3764	8649	-3547	-89	-1187	59.2	30.8	259	1188
2023-11-16 1:14	2023-11-15 19:14	16.1	Light D - Teardrop	4.96	21.2	15343	-2074	6433	-3508	-405	-1323	70.3	19.7	285	951
2023-11-16 1:14	2023-11-15 19:14	16.1	Light D - Teardrop	4.96	21.2	14232	-4982	5217	-3366	-58	-1607	66.6	23.4	278	1936
2023-11-16 1:14	2023-11-15 19:14	16.1	Light D - Teardrop	4.97	21.08	14049	-4594	7306	-3115	382	-1974	62.3	27.7	297	2217
2023-11-16 1:14	2023-11-15 19:14	16.1	Light D - Teardrop	4.96	21.08	13856	-3999	8689	-2508	640	-2631	59.3	30.7	332	1098
2023-11-16 1:14	2023-11-15 19:14	16.1	Light D - Teardrop	4.96	21.08	11983	-3943	11720	-2051	938	-2923	47.8	42.2	358	1694
2023-11-16 1:14	2023-11-15 19:14	16.1	Light D - Teardrop	4.96	21.23	11385	-3914	12122	-1843	1359	-2885	45.5	44.5	17	1622
2023-11-16 1:14	2023-11-15 19:14	15.7	Light D - Teardrop	4.96	21.23	11467	-6001	12619	-1799	1813	-2630	42.7	47.3	19	2413
2023-11-16 1:14	2023-11-15 19:14	15.7	Light D - Teardrop	4.96	21.23	11652	-3325	11944	-2041	1857	-2400	47	43	47	1459
2023-11-16 1:14	2023-11-15 19:14	15.7	Light D - Teardrop	4.96	21.09	9337	-4785	14915	-2324	1727	-2222	33.8	56.2	86	1603
2023-11-16 1:14	2023-11-15 19:14	15.7	Light D - Teardrop	4.96	21.09	11105	-2632	13500	-2722	1372	-1995	42.4	47.6	87	2090
2023-11-16 1:14	2023-11-15 19:14	15.7	Light D - Teardrop	4.96	21.09	10039	-3827	13443	-2986	868	-1961	39.1	50.9	137	1863
2023-11-16 1:14	2023-11-15 19:14	15.7	Light D - Teardrop	4.96	21.23	11430	-3849	13861	-2990	667	-2035	41.8	48.2	152	2373
2023-11-16 1:14	2023-11-15 19:14	15.7	Light D - Teardrop	4.96	21.23	10638	-4894	12912	-2969	220	-2220	41	49	252	826
2023-11-16 1:14	2023-11-15 19:14	15.7	Light D - Teardrop	4.96	21.23	9009	-2533	14455	-2555	-27	-2709	34.7	55.3	259	1672
2023-11-16 1:14	2023-11-15 19:14	15.7	Light D - Teardrop	4.96	21.07	9229	-3100	13088	-2110	-186	-3054	37.9	52.1	305	1811
2023-11-16 1:14	2023-11-15 19:14	15.7	Light D - Teardrop	4.96	21.07	10019	-2599	15635	-1524	226	-3368	35.3	54.7	350	1396
2023-11-16 1:14	2023-11-15 19:14	15.7	Light D - Teardrop	4.96	21.03	9050	-4424	14242	-1196	658	-3448	34.4	55.6	348	1334
2023-11-16 1:14	2023-11-15 19:14	15.7	Light D - Teardrop	4.96	21.03	9464	-2484	14785	-1055	1014	-3412	35.4	54.6	23	2474
2023-11-16 1:14	2023-11-15 19:14	15.4	Light D - Teardrop	4.96	21.03	7193	-4452	14902	-1116	1494	-3215	27.5	62.5	30	1689
2023-11-16 1:14	2023-11-15 19:14	15.4	Light D - Teardrop	4.96	21.2	8619	-2992	14792	-1295	1704	-3030	32.8	57.2	45	1982
2023-11-16 1:14	2023-11-15 19:14	15.4	Light D - Teardrop	4.96	21.2	8479	-5029	14118	-1676	1815	-2729	32.5	57.5	47	2198
2023-11-16 1:14	2023-11-15 19:14	15.4	Light D - Teardrop	4.96	21.2	8802	-3010	15322	-2006	1671	-2582	32.3	57.7	75	2298
2023-11-16 1:14	2023-11-15 19:14	15.4	Light D - Teardrop	4.96	21.2	9962	-4018	14050	-2475	1233	-2401	37.5	52.5	78	1117
2023-11-16 1:14	2023-11-15 19:14	15.4	Light D - Teardrop	4.96	21.42	9420	-3266	13772	-2786	730	-2291	37	53	135	2243
2023-11-16 1:14	2023-11-15 19:14	15.4	Light D - Teardrop	4.96	21.42	9190	-4662	13996	-2859	400	-2325	35.1	54.9	224	802
2023-11-16 1:14	2023-11-15 19:14	15.4	Light D - Teardrop	4.96	21.42	8249	-2852	15257	-2692	110	-2558	30.9	59.1	213	2308
2023-11-16 1:14	2023-11-15 19:14	15.4	Light D - Teardrop	4.96	21.2	9086	-4779	16095	-2510	-118	-2748	31.2	58.8	256	1745
2023-11-16 1:14	2023-11-15 19:14	15.4	Light D - Teardrop	4.96	21.2	9802	-3184	15911	-2238	-237	-2959	34	56	287	1668
2023-11-16 1:14	2023-11-15 19:14	15.4	Light D - Teardrop	4.96	21.2	9051	-3529	13009	-1921	-109	-3175	37.3	52.7	309	2374
2023-11-16 1:14	2023-11-15 19:14	15.4	Light D - Teardrop	4.96	21	9656	-3475	14136	-1702	104	-3291	36.8	53.2	327	2121
2023-11-16 1:14	2023-11-15 19:14	15.1	Light D - Teardrop	4.96	21	9355	-4702	13866	-1361	544	-3406	35.8	54.2	337	1616
2023-11-16 1:14	2023-11-15 19:14	15.1	Light D - Teardrop	4.96	21.06	8907	-2979	15289	-1288	948	-3353	32.7	57.3	22	2457
2023-11-16 1:14	2023-11-15 19:14	15.1	Light D - Teardrop	4.96	21.06	9208	-4022	13277	-1453	1434	-3093	36.9	53.1	21	3145
2023-11-16 1:14	2023-11-15 19:14	15.1	Light D - Teardrop	4.97	21.06	10255	-4112	13536	-1605	1702	-2855	39.3	50.7	34	1683
2023-11-16 1:14	2023-11-15 19:14	15.1	Light D - Teardrop	4.96	21.09	11101	-2468	12388	-2048	1852	-2401	45	45	57	1351
2023-11-16 1:14	2023-11-15 19:14	15.1	Light D - Teardrop	4.96	21.09	9627	-3298								

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-11-16 1:15	2023-11-15 19:15	14.5	Light D - Teardrop	4.96	21.22	7300	-8139	9365	-1726	2142	-2427	33.5	56.5	338	9102
2023-11-16 1:15	2023-11-15 19:15	14.1	Light D - Teardrop	4.96	21.22	7298	2921	18248	-2509	1360	-2300	23.9	66.1	104	15367
2023-11-16 1:39	2023-11-15 19:39	19.6	Light B - Tuzyk	4.97	21.35	5048	-2714	16885	-865	-160	-3585	18.4	71.6	317	1138
2023-11-16 1:39	2023-11-15 19:39	19.6	Light B - Tuzyk	4.97	21.35	4745	-847	17037	-840	74	-3603	17.4	72.6	12	2093
2023-11-16 1:39	2023-11-15 19:39	19.6	Light B - Tuzyk	4.96	21.35	7772	-2181	14974	-1030	465	-3544	30.1	59.9	8	2439
2023-11-16 1:39	2023-11-15 19:39	19.6	Light B - Tuzyk	4.96	21.52	5844	-3273	16615	-724	846	-3551	21.2	68.8	20	2146
2023-11-16 1:39	2023-11-15 19:39	19.6	Light B - Tuzyk	4.96	21.52	5888	-1303	17308	-668	1147	-3486	20.8	69.2	50	1311
2023-11-16 1:39	2023-11-15 19:39	19.6	Light B - Tuzyk	4.96	21.52	6276	-1606	16428	-873	1261	-3404	23.2	66.8	52	1310
2023-11-16 1:39	2023-11-15 19:39	19.6	Light B - Tuzyk	4.96	21.52	7503	-2041	15975	-1167	1325	-3288	27.6	62.4	50	1934
2023-11-16 1:39	2023-11-15 19:39	19.6	Light B - Tuzyk	4.96	21.52	8010	-1831	14867	-1531	1408	-3085	31.1	58.9	55	1349
2023-11-16 1:39	2023-11-15 19:39	19.6	Light B - Tuzyk	4.96	21.82	7297	-1565	14732	-2014	1411	-2776	29.1	60.9	82	1406
2023-11-16 1:39	2023-11-15 19:39	19.6	Light B - Tuzyk	4.97	21.82	7165	-3877	16371	-2295	1123	-2674	25.5	64.5	121	1829
2023-11-16 1:39	2023-11-15 19:39	19.6	Light B - Tuzyk	4.97	21.82	7425	-3061	14742	-2601	940	-2466	29.1	60.9	131	935
2023-11-16 1:39	2023-11-15 19:39	19.6	Light B - Tuzyk	4.96	21.82	9890	-2646	12839	-2831	416	-2407	40.6	49.4	186	1912
2023-11-16 1:39	2023-11-15 19:39	19.6	Light B - Tuzyk	4.97	21.82	7157	-3666	15416	-2767	164	-2544	27	63	210	1036
2023-11-16 1:39	2023-11-15 19:39	19.6	Light B - Tuzyk	4.96	21.7	10212	-3013	14314	-2938	-148	-2380	38.2	51.8	245	2324
2023-11-16 1:39	2023-11-15 19:39	19.3	Light B - Tuzyk	4.96	21.69	11775	-1479	13199	-2835	-421	-2488	45.1	44.9	288	1696
2023-11-16 1:39	2023-11-15 19:39	19.3	Light B - Tuzyk	4.97	21.69	11980	-3651	12473	-2423	-437	-2866	46.3	43.7	300	1193
2023-11-16 1:39	2023-11-15 19:39	19.3	Light B - Tuzyk	4.96	21.03	10247	-2989	13833	-2047	-175	-3154	39.3	50.7	314	660
2023-11-16 1:39	2023-11-15 19:39	19.3	Light B - Tuzyk	4.96	21.03	9833	-1918	13295	-1685	-129	-3341	39.7	50.3	338	1525
2023-11-16 1:39	2023-11-15 19:39	19.3	Light B - Tuzyk	4.96	21.03	9840	-1934	15519	-1511	18	-3423	35.2	54.8	347	1031
2023-11-16 1:39	2023-11-15 19:39	19.3	Light B - Tuzyk	4.96	21.15	9674	-1368	14723	-1447	269	-3430	36.3	53.7	8	1921
2023-11-16 1:39	2023-11-15 19:39	19.3	Light B - Tuzyk	4.96	21.15	10142	-1780	14110	-1467	719	-3353	38.8	51.2	21	539
2023-11-16 1:39	2023-11-15 19:39	19.3	Light B - Tuzyk	4.96	21.15	9106	-3285	13016	-1414	1116	-3264	37.6	52.4	17	947
2023-11-16 1:39	2023-11-15 19:39	19.3	Light B - Tuzyk	4.96	21.23	10555	-2681	13741	-1572	1303	-3113	40.4	49.6	31	2626
2023-11-16 1:39	2023-11-15 19:39	19.3	Light B - Tuzyk	4.96	21.23	9253	-2104	15166	-1799	1483	-2889	34.2	55.8	60	793
2023-11-16 1:39	2023-11-15 19:39	19.3	Light B - Tuzyk	4.96	21.23	9320	-2718	15393	-2159	1452	-2619	33.8	56.2	76	468
2023-11-16 1:39	2023-11-15 19:39	19.3	Light B - Tuzyk	4.96	21.23	9569	-3887	14710	-2376	1355	-2483	35.3	54.7	80	1228
2023-11-16 1:39	2023-11-15 19:39	19.3	Light B - Tuzyk	4.96	21.29	9060	-2699	14310	-2725	1003	-2296	35.1	54.9	111	1352
2023-11-16 1:39	2023-11-15 19:39	19.3	Light B - Tuzyk	4.96	21.29	9465	-2104	14591	-2954	444	-2260	35.9	54.1	151	1398
2023-11-16 1:39	2023-11-15 19:39	19.3	Light B - Tuzyk	4.96	21.29	12124	-2069	12261	-3263	14	-1915	48	42	232	1961
2023-11-16 1:40	2023-11-15 19:40	19.3	Light B - Tuzyk	4.96	21.32	10196	-1469	14255	-3199	-336	-2055	38.7	51.3	222	890
2023-11-16 1:40	2023-11-15 19:40	19.3	Light B - Tuzyk	4.96	21.32	9770	-158	13669	-2872	-540	-2443	38.9	51.1	247	2697
2023-11-16 1:40	2023-11-15 19:40	19	Light B - Tuzyk	4.96	21.32	10115	-4375	14460	-2629	-326	-2718	37	53	270	675
2023-11-16 1:40	2023-11-15 19:40	19	Light B - Tuzyk	4.96	21.03	12101	-2678	11653	-2575	-311	-2751	49.2	40.8	308	1087
2023-11-16 1:40	2023-11-15 19:40	19	Light B - Tuzyk	4.97	21.03	11487	-4015	13309	-2376	-162	-2922	43	47	301	1702
2023-11-16 1:40	2023-11-15 19:40	19	Light B - Tuzyk	4.96	21.03	12121	-3069	11392	-2234	144	-3005	49.6	40.4	332	740
2023-11-16 1:40	2023-11-15 19:40	19	Light B - Tuzyk	4.96	21.1	10806	-3494	12804	-2022	542	-3112	42.7	47.3	346	480
2023-11-16 1:40	2023-11-15 19:40	19	Light B - Tuzyk	4.96	21.1	11442	-3542	12132	-2002	1076	-2949	45.9	44.1	11	776
2023-11-16 1:40	2023-11-15 19:40	19	Light B - Tuzyk	4.96	21.1	12314	-4170	10760	-2048	1293	-2800	50.7	39.3	6	581
2023-11-16 1:40	2023-11-15 19:40	19	Light B - Tuzyk	4.96	21.23	11842	-2955	12020	-2181	1420	-2634	47.5	42.5	38	763
2023-11-16 1:40	2023-11-15 19:40	19	Light B - Tuzyk	4.96	21.23	12598	-3880	10890	-2414	1561	-2284	51.3	38.7	37	1225
2023-11-16 1:40	2023-11-15 19:40	19	Light B - Tuzyk	4.96	21.23	12058	-2940	11270	-2822	1433	-1848	49.9	40.1	73	2120
2023-11-16 1:40	2023-11-15 19:40	19	Light B - Tuzyk	4.96	21.07	12592	-3391	10395	-3111	1229	-1532	53	37	82	961
2023-11-16 1:40	2023-11-15 19:40	19	Light B - Tuzyk	4.96	21.07	13593	-3085	11558	-3256	1039	-1393	52.4	37.6	97	2117
2023-11-16 1:40	2023-11-15 19:40	19	Light B - Tuzyk	4.96	21.07	12327	-2426	11116	-3384	553	-1498	51.2	38.8	128	818
2023-11-16 1:40	2023-11-15 19:40	19	Light B - Tuzyk	4.96	21.13	13865	-2945	10685	-3500	163	-1417	55.2	34.8	232	916
2023-11-16 1:40	2023-11-15 19:40	19	Light B - Tuzyk	4.96	21.13	12433	-2022	11383	-3334	-553	-1824	50.9	39.1	263	684
2023-11-16 1:40	2023-11-15 19:40	19	Light B - Tuzyk	4.97	21.15	14002	-2064	9188	-3385	-537	-1731	60.1	29.9	281	1165
2023-11-16 1:40	2023-11-15 19:40	18.6	Light B - Tuzyk	4.96	21.15	15308	-1442	9636	-3289	-435	-1907	61.3	28.7	299	1534
2023-11-16 1:40	2023-11-15 19:40	18.6	Light B - Tuzyk	4.96	21.15	13714	-2664	9015	-3048	-160	-2256	59.7	30.3	306	1858
2023-11-16 1:40	2023-11-15 19:40	18.6	Light B - Tuzyk	4.96	21.05	15146	-3162	7582	-2934	368	-2312	65.5	24.5	326	619
2023-11-16 1:40	2023-11-15 19:40	18.6	Light B - Tuzyk	4.97	21.05	13993	-2447	8015	-2729	829	-2382	63.3	26.7	4	3516
2023-11-16 1:40	2023-11-15 19:40	18.6	Light B - Tuzyk	4.96	21.05	13882	-3615	10252	-2566	1092	-2442	55.4	34.6	11	926
2023-11-16 1:40	2023-11-15 19:40	18.6	Light B - Tuzyk	4.96	21.28	12602	-3170	10609	-2315	1414	-2505	53.1	36.9	29	651
2023-11-16 1:40	2023-11-15 19:40	18.6	Light B - Tuzyk	4.96	21.28	14099	-4355	10571	-2356	1781	-2163	54.7	35.3	34	1095
2023-11-16 1:40	2023-11-15 19:40	18.6	Light B - Tuzyk	4.96	21.28	13383	-4485	10115	-2684	1647	-1858	54.2	35.8	45	1398
2023-11-16 1:40	2023-11-15 19:40	18.6	Light B - Tuzyk	4.96	21.12	13694	-4131	9132	-2920	1533	-1569	57.7	32.3	52	1025
2023-11-16 1:40	2023-11-15 19:40	18.6	Light B - Tuzyk	4.99	21.12	15333	-1838	10363	-3328	1102	-1145	59.3	30.7	87	2192
2023-11-16 1:40	2023-11-15 19:40	18.6	Light B - Tuzyk	4.96	21.12	13939	-2886	8634	-3508	679	-1038	60.9	29.1	104	1143
2023-11-16 1:40	2023-11-15 19:40	18.6	Light B - Tuzyk	4.96	21.13	12480	-3845	9317	-3542	375	-1200	55.2	34.8	220	3756
2023-11-16 1:40	2023-11-15 19:40	18.6	Light B - Tuzyk	4.96	21.13	12782	-3553	9712	-3580	121	-1207	55.1	34.9	236	964
2023-11-16 1:40	2023-11-15 19:40	18.6	Light B - Tuzyk	4.97	21.13	13058	-3865	9973	-3410	-146	-1676	54.6	35.4	265	1182
2023-11-16 1:40	2023-11-15 19:40	18.6	Light B - Tuzyk	4.96	21.19	13845	-4505	11336	-3181	-250	-2074	52.2	37.8	275	1954
2023-11-16 1:40	2023-11-15 19:40	18.6	Light B - Tuzyk	4.96	21.19	12934	-2848	10755	-3060	-351	-2232	53.2	36.8	288	1253
2023-11-16 1:40	2023-11-15 19:40	18.6	Light B - Tuzyk	4.96	21.19	11615	-3851	11859	-2583	-197	-2742	46.7	43.3	297	1096
2023-11-16 1:40	2023-11-15 19:40	18.3	Light B - Tuzyk	4.96	20.98	9884	-2963	12194	-2111	147	-3106	42	48	328	2215
2023-11-16 1:40	2023-11-15 19:40	18.3	Light B - Tuzyk	4.96	20.98	10916	-4445	12723	-2030	274	-3142	42.5	47.5	320	962
2023-11-16 1:40	2023-11-15 19:40	18.3	Light B - Tuzyk	4.96	20.98	11290	-3145	12512	-1845	478	-3222	44.8	45.2	349	1469
2023-11-16 1:40	2023-11-15 19:40	18.3	Light B - Tuzyk	4.96	21.14	11127	-2926	12894	-1672	794	-3242	43.7	46.3	7	1853
2023-11-16 1:40	2023-11-15 19:40	18.3	Light B - Tuzyk	4.96	21.14	9096	-2401	12515	-1552	1159					

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-11-16 1:41	2023-11-15 19:41	17.7	Light B - Tuzyk	4.96	21.02	11135	-2435	12776	-3243	292	-1910	44.2	45.8	180	1132
2023-11-16 1:41	2023-11-15 19:41	17.7	Light B - Tuzyk	4.96	21.02	10077	-2862	13793	-3169	-82	-2080	38.9	51.1	225	518
2023-11-16 1:41	2023-11-15 19:41	17.7	Light B - Tuzyk	4.96	21.26	10228	-3109	14110	-2946	-208	-2391	38.6	51.4	250	459
2023-11-16 1:41	2023-11-15 19:41	17.7	Light B - Tuzyk	4.96	21.26	11563	-3490	14430	-2893	-199	-2444	41.2	48.8	264	1953
2023-11-16 1:41	2023-11-15 19:41	17.7	Light B - Tuzyk	4.96	21.26	11001	-2717	13242	-2675	-352	-2653	42.6	47.4	286	547
2023-11-16 1:41	2023-11-15 19:41	17.7	Light B - Tuzyk	4.96	21.07	10290	-2114	12926	-2460	-419	-2854	41.7	48.3	300	1423
2023-11-16 1:41	2023-11-15 19:41	17.7	Light B - Tuzyk	4.96	21.07	11381	-2737	12925	-2241	-217	-3011	44.3	45.7	317	802
2023-11-16 1:41	2023-11-15 19:41	17.4	Light B - Tuzyk	4.96	21.07	10970	-3795	11955	-1945	124	-3205	44.9	45.1	324	271
2023-11-16 1:41	2023-11-15 19:41	17.4	Light B - Tuzyk	4.96	21.07	11677	-1692	12493	-1942	268	-3199	46.5	43.5	360	942
2023-11-16 1:41	2023-11-15 19:41	17.4	Light B - Tuzyk	4.97	21.07	10954	-2617	12868	-1777	747	-3193	43.4	46.6	9	1126
2023-11-16 1:41	2023-11-15 19:41	17.4	Light B - Tuzyk	4.96	21.07	10729	-3091	12966	-1802	1064	-3084	42.4	47.6	17	1283
2023-11-16 1:41	2023-11-15 19:41	17.4	Light B - Tuzyk	4.96	21.18	12127	-2777	13743	-1849	4492	418	44.3	45.7	87	1775
2023-11-16 1:41	2023-11-15 19:41	17.4	Light B - Tuzyk	4.96	21.18	11542	-3078	13175	-2109	1463	-2665	44	46	44	598
2023-11-16 1:41	2023-11-15 19:41	17.4	Light B - Tuzyk	4.96	21.18	11494	-2776	12988	-2364	1402	-2459	44.4	45.6	56	542
2023-11-16 1:41	2023-11-15 19:41	17.4	Light B - Tuzyk	4.96	21.09	15207	-2716	10230	-3098	1235	-1556	58.9	31.1	67	1882
2023-11-16 1:41	2023-11-15 19:41	17.4	Light B - Tuzyk	4.97	21.09	14246	-2355	9179	-3399	1009	-1046	60.4	29.6	89	1284
2023-11-16 1:41	2023-11-15 19:41	17.4	Light B - Tuzyk	4.96	21.09	14336	-3209	9027	-3579	700	-761	60.2	29.8	114	709
2023-11-16 1:41	2023-11-15 19:41	17.4	Light B - Tuzyk	4.97	21.17	14863	-1281	7373	-3716	313	-551	67.4	22.6	112	589
2023-11-16 1:41	2023-11-15 19:41	17.4	Light B - Tuzyk	4.96	21.17	14432	-2905	8620	-3725	-108	-855	61.8	28.2	248	377
2023-11-16 1:41	2023-11-15 19:41	17.4	Light B - Tuzyk	4.97	21.17	13459	-1285	8851	-3666	-338	-1077	60.6	29.4	251	1402
2023-11-16 1:41	2023-11-15 19:41	17	Light B - Tuzyk	4.96	21.27	14904	-2062	8662	-3582	-452	-1348	63.1	26.9	273	1352
2023-11-16 1:41	2023-11-15 19:41	17	Light B - Tuzyk	4.96	21.27	13141	-2983	11042	-3175	-445	-2080	52.8	37.2	278	662
2023-11-16 1:41	2023-11-15 19:41	17	Light B - Tuzyk	4.96	21.27	11874	-2895	11747	-2714	-387	-2626	48.3	41.7	296	1013
2023-11-16 1:41	2023-11-15 19:41	17	Light B - Tuzyk	4.96	21.03	11432	-2768	13150	-2491	-221	-2824	43.9	46.1	305	1353
2023-11-16 1:41	2023-11-15 19:41	17	Light B - Tuzyk	4.96	21.03	13504	-1771	11654	-2298	200	-2961	52.6	37.4	354	2134
2023-11-16 1:41	2023-11-15 19:41	17	Light B - Tuzyk	4.96	21.03	12177	-2973	11621	-2063	673	-3043	49.2	40.8	358	1710
2023-11-16 1:41	2023-11-15 19:41	17	Light B - Tuzyk	4.96	21.18	12742	-1764	11016	-2143	875	-2907	52.7	37.3	21	680
2023-11-16 1:41	2023-11-15 19:41	17	Light B - Tuzyk	4.96	21.18	12490	-2206	11481	-2143	1322	-2724	50.7	39.3	35	3437
2023-11-16 1:41	2023-11-15 19:41	17	Light B - Tuzyk	4.96	21.18	11879	-2110	11696	-2462	1325	-2420	48.8	41.2	53	969
2023-11-16 1:41	2023-11-15 19:41	17	Light B - Tuzyk	4.96	21.15	12334	-1899	11705	-2642	1316	-2222	49.9	40.1	62	1057
2023-11-16 1:41	2023-11-15 19:41	17	Light B - Tuzyk	4.96	21.15	12578	-1346	12031	-2931	1169	-1925	49.8	40.2	80	1232
2023-11-16 1:41	2023-11-15 19:41	17	Light B - Tuzyk	4.96	21.15	12057	-3264	12567	-3112	1019	-1727	46.5	43.5	103	546
2023-11-16 1:41	2023-11-15 19:41	17	Light B - Tuzyk	4.96	21	11546	-2952	12825	-3290	777	-1570	44.8	45.2	128	612
2023-11-16 1:41	2023-11-15 19:41	16.7	Light B - Tuzyk	4.96	21	11978	-2131	11627	-3403	373	-1554	49.2	40.8	152	781
2023-11-16 1:41	2023-11-15 19:41	16.7	Light B - Tuzyk	4.96	21	12430	-2585	11381	-3403	27	-1700	50.7	39.3	237	851
2023-11-16 1:41	2023-11-15 19:41	16.7	Light B - Tuzyk	4.96	21.22	11947	-2894	12460	-3248	-316	-1993	46.7	43.3	256	1710
2023-11-16 1:41	2023-11-15 19:41	16.7	Light B - Tuzyk	4.96	21.22	11153	-1173	11843	-2822	-562	-2483	47	43	294	1325
2023-11-16 1:41	2023-11-15 19:41	16.7	Light B - Tuzyk	4.96	21.22	10468	-2326	13712	-2393	-573	-2863	40.4	49.6	294	1319
2023-11-16 1:41	2023-11-15 19:41	16.7	Light B - Tuzyk	4.96	21.05	11387	-1604	13030	-2184	-432	-3041	44.5	45.5	324	403
2023-11-16 1:41	2023-11-15 19:41	16.7	Light B - Tuzyk	4.96	21.05	11019	-3095	13768	-1927	-130	-3225	41.4	48.6	322	1242
2023-11-16 1:41	2023-11-15 19:41	16.7	Light B - Tuzyk	4.96	21.09	10842	-1776	13751	-1869	34	-3266	41.4	48.6	348	864
2023-11-16 1:41	2023-11-15 19:41	16.7	Light B - Tuzyk	4.96	21.09	11298	-1661	10834	-2207	-71	-3048	49.9	40.1	341	963
2023-11-16 1:41	2023-11-15 19:41	16.4	Light B - Tuzyk	4.96	21.09	13160	-2456	10767	-2381	798	-2746	53.9	36.1	11	2403
2023-11-16 2:05	2023-11-15 20:05	17.4	Light A - Dixie	4.97	21.12	9572	-940	14795	-1919	-661	-3167	36	54	315	1215
2023-11-16 2:05	2023-11-15 20:05	17.4	Light A - Dixie	4.96	21.12	9756	-945	14626	-1794	-481	-3243	36.8	53.2	329	1156
2023-11-16 2:05	2023-11-15 20:05	17.4	Light A - Dixie	4.96	21.04	9410	-1045	14643	-1557	-186	-3369	35.8	54.2	347	547
2023-11-16 2:05	2023-11-15 20:05	17.4	Light A - Dixie	4.96	21.04	9455	-1349	14900	-1441	272	-3410	35.4	54.6	9	2381
2023-11-16 2:05	2023-11-15 20:05	17	Light A - Dixie	4.97	20.9	9440	-1515	14747	-1485	461	-3365	35.6	54.4	17	1270
2023-11-16 2:05	2023-11-15 20:05	17	Light A - Dixie	4.96	20.9	9824	-485	13074	-1602	748	-3271	40.4	49.6	35	1614
2023-11-16 2:05	2023-11-15 20:05	17	Light A - Dixie	4.97	20.9	9353	-1382	15171	-1712	1040	-3135	34.6	55.4	49	1784
2023-11-16 2:05	2023-11-15 20:05	17	Light A - Dixie	4.96	20.95	9877	-217	14001	-1927	1133	-2975	38.5	51.5	59	1093
2023-11-16 2:05	2023-11-15 20:05	17	Light A - Dixie	4.97	20.95	9417	-475	14160	-2314	1023	-2729	36.8	53.2	76	1601
2023-11-16 2:05	2023-11-15 20:05	17	Light A - Dixie	4.96	20.92	10098	-468	13177	-2572	957	-2535	40.9	49.1	78	1669
2023-11-16 2:05	2023-11-15 20:05	17	Light A - Dixie	4.96	20.92	9735	-471	14822	-2804	680	-2404	36.4	53.6	106	1318
2023-11-16 2:05	2023-11-15 20:05	17	Light A - Dixie	4.96	20.92	9836	-1008	14466	-2981	246	-2316	37.3	52.7	145	1487
2023-11-16 2:05	2023-11-15 20:05	17	Light A - Dixie	4.96	21.09	10329	-901	13640	30444	4474	414	40.5	49.5	89	2632
2023-11-16 2:05	2023-11-15 20:05	16.7	Light A - Dixie	4.96	21.09	10384	-645	13936	-3111	-423	-2213	40	50	228	837
2023-11-16 2:05	2023-11-15 20:05	16.7	Light A - Dixie	4.96	21.09	10180	-1696	15175	-2826	-709	-2493	36.8	53.2	257	3122
2023-11-16 2:05	2023-11-15 20:05	16.7	Light A - Dixie	4.96	21.09	10090	-1000	14307	-2612	-748	-2674	38.4	51.6	277	808
2023-11-16 2:05	2023-11-15 20:05	16.7	Light A - Dixie	4.97	21.32	10363	-231	14682	-2380	-850	-2824	38.3	51.7	296	1830
2023-11-16 2:05	2023-11-15 20:05	16.7	Light A - Dixie	4.96	21.32	10531	-1186	13093	-2331	-782	-2870	42.2	47.8	304	1685
2023-11-16 2:05	2023-11-15 20:05	16.7	Light A - Dixie	4.97	21.32	10293	-1130	14413	-2105	-384	-3083	38.7	51.3	326	1091
2023-11-16 2:05	2023-11-15 20:05	16.7	Light A - Dixie	4.96	21.1	10420	-1795	14128	-1887	-105	-3227	39.5	50.5	338	2356
2023-11-16 2:05	2023-11-15 20:05	16.7	Light A - Dixie	4.97	21.1	10298	-832	13772	-1802	438	-3231	40.1	49.9	24	1750
2023-11-16 2:05	2023-11-15 20:05	16.7	Light A - Dixie	4.96	21.03	10372	-254	13309	-1852	737	-3135	41.4	48.6	41	1338
2023-11-16 2:05	2023-11-15 20:05	16.7	Light A - Dixie	4.96	21.03	10764	-1806	13428	-1986	991	-2974	41.9	48.1	37	1189
2023-11-16 2:05	2023-11-15 20:05	16.7	Light A - Dixie	4.96	21.03	10300	-604	13430	-2216	1112	-2769	40.9	49.1	63	2513
2023-11-16 2:05	2023-11-15 20:05	16.7	Light A - Dixie	4.96	20.97	10299	-1261	14006	-2537	1021	-2533	39.5	50.5	78	328
2023-11-16 2:05	2023-11-15 20:05	16.7	Light A - Dixie	4.96	20.97	11182	-304	13100	-2842	865	-2261	44	46	86	941
2023-11-16 2:05	2023-11-15 20:05	16.4	Light A - Dixie	4.97	20.92	10774	-262	13072	-3127	539	-2046	43	47	109	2075
2023-11-16 2:05	2023-11-15 20:05	16.4	Light A - Dixie	4.96	20.92	10138	-1241	13329	-3275	224	-1934	40.6	49.4	159	1434
20															

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-11-16 2:06	2023-11-15 20:06	15.7	Light A - Dixie	4.96	21.3	16036	-1191	5193	-3814	-770	-544	75.6	14.4	274	870
2023-11-16 2:06	2023-11-15 20:06	15.7	Light A - Dixie	4.97	21.3	17034	-426	2529	-3825	-946	-311	84.9	5.1	278	2352
2023-11-16 2:06	2023-11-15 20:06	15.7	Light A - Dixie	4.96	21.3	16614	703	1991	-3773	-1043	-565	85.5	4.5	1	1846
2023-11-16 2:06	2023-11-15 20:06	15.7	Light A - Dixie	4.96	21.19	16431	-884	4017	-3705	-683	-1007	79.8	10.2	289	2085
2023-11-16 2:06	2023-11-15 20:06	15.7	Light A - Dixie	4.96	21.19	16414	-778	2622	-3613	-307	-1315	84.3	5.7	306	3536
2023-11-16 2:06	2023-11-15 20:06	15.7	Light A - Dixie	4.97	21.19	16824	-836	711	-3591	192	-1262	87.4	2.6	263	3656
2023-11-16 2:06	2023-11-15 20:06	15.7	Light A - Dixie	4.96	21.17	16517	1529	3861	-3583	495	-1061	78.8	11.2	80	2489
2023-11-16 2:06	2023-11-15 20:06	15.7	Light A - Dixie	4.96	21.17	16899	-812	1435	-3552	894	-725	87.5	2.5	320	2009
2023-11-16 2:06	2023-11-15 20:06	15.7	Light A - Dixie	4.96	21.17	16382	476	2096	-3586	1011	-130	85.8	4.2	92	907
2023-11-16 2:06	2023-11-15 20:06	15.4	Light A - Dixie	4.96	21.18	16501	-1139	1531	-3712	597	460	86.3	3.7	78	2131
2023-11-16 2:06	2023-11-15 20:06	15.4	Light A - Dixie	4.96	21.18	17056	333	2310	-3729	392	730	85.3	4.7	98	3423
2023-11-16 2:06	2023-11-15 20:06	15.4	Light A - Dixie	4.97	21.18	16872	-1410	2449	-3813	-483	727	83.7	6.3	259	1554
2023-11-16 2:06	2023-11-15 20:06	15.4	Light A - Dixie	4.96	21.27	16473	337	2745	-3853	-705	461	84	6	271	1778
2023-11-16 2:06	2023-11-15 20:06	15.4	Light A - Dixie	4.96	21.27	15698	-408	-598	-3741	-1138	772	84	6	88	1751
2023-11-16 2:06	2023-11-15 20:06	15.4	Light A - Dixie	4.96	21.27	15993	-397	-2566	-3829	-953	395	77.5	12.5	90	1422
2023-11-16 2:06	2023-11-15 20:06	15.4	Light A - Dixie	4.97	21.22	16264	-674	-1664	-3842	-785	-285	80.5	9.5	99	1058
2023-11-16 2:06	2023-11-15 20:06	15.4	Light A - Dixie	4.96	21.22	16615	23	-646	-3831	-372	-501	84.1	5.9	111	1106
2023-11-16 2:06	2023-11-15 20:06	15.4	Light A - Dixie	4.96	21.22	16933	503	-252	-3772	120	-607	85	5	127	1031
2023-11-16 2:06	2023-11-15 20:06	15.4	Light A - Dixie	4.97	21.16	16476	755	-1018	-3677	747	-224	82.3	7.7	255	2131
2023-11-16 2:06	2023-11-15 20:06	15.4	Light A - Dixie	4.96	21.16	16807	-1106	-758	-3604	924	395	83	7	275	992
2023-11-16 2:06	2023-11-15 20:06	15.4	Light A - Dixie	4.96	21.16	16912	-539	-365	-3570	882	820	85	5	280	1678
2023-11-16 2:06	2023-11-15 20:06	15.4	Light A - Dixie	4.96	21.18	16330	-1263	515	-3576	350	1355	85.8	4.2	75	2188
2023-11-16 2:06	2023-11-15 20:06	15.1	Light A - Dixie	4.97	21.18	16692	177	-209	-3629	-88	1387	85.5	4.5	309	1690
2023-11-16 2:06	2023-11-15 20:06	15.1	Light A - Dixie	4.96	21.18	16023	-993	915	-3769	-638	957	87.1	2.9	97	1547
2023-11-16 2:06	2023-11-15 20:06	15.1	Light A - Dixie	4.97	21.18	15635	706	2529	-3849	-901	96	83.9	6.1	281	1596
2023-11-16 2:06	2023-11-15 20:06	15.1	Light A - Dixie	4.96	21.24	15783	-156	4684	-3733	-1117	-655	77.5	12.5	281	2108
2023-11-16 2:06	2023-11-15 20:06	15.1	Light A - Dixie	4.97	21.24	15788	-129	3811	-3589	-947	-1271	80.4	9.6	306	566
2023-11-16 2:06	2023-11-15 20:06	15.1	Light A - Dixie	4.97	21.24	15507	-797	6806	-3239	-550	-1999	70.2	19.8	320	2312
2023-11-16 2:06	2023-11-15 20:06	15.1	Light A - Dixie	4.96	21.16	15743	-1170	7371	-3112	-25	-2196	68.6	21.4	344	3609
2023-11-16 2:06	2023-11-15 20:06	15.1	Light A - Dixie	4.97	21.16	15187	-176	7590	-3134	402	-2060	67.4	22.6	36	1301
2023-11-16 2:06	2023-11-15 20:06	15.1	Light A - Dixie	4.96	21.16	15569	-1053	5674	-3208	790	-1756	73.8	16.2	32	1288
2023-11-16 2:06	2023-11-15 20:06	15.1	Light A - Dixie	4.96	21.24	15784	601	5638	-3364	806	-1462	74	16	68	1840
2023-11-16 2:06	2023-11-15 20:06	15.1	Light A - Dixie	4.96	21.24	15060	-1262	8007	-3540	806	-980	65.7	24.3	85	3971
2023-11-16 2:06	2023-11-15 20:06	15.1	Light A - Dixie	4.96	21.24	14931	618	7602	-3690	577	-602	66.8	23.2	94	1755
2023-11-16 2:06	2023-11-15 20:06	15.1	Light A - Dixie	4.96	21.23	15352	-701	8237	-3845	-58	-379	65.6	24.4	183	1328
2023-11-16 2:06	2023-11-15 20:06	14.8	Light A - Dixie	4.96	21.23	15215	232	6747	-3799	-351	-744	70	20	260	2791
2023-11-16 2:06	2023-11-15 20:06	14.8	Light A - Dixie	4.96	21.23	13862	-947	10817	-3519	-816	-1498	55.7	34.3	265	1372
2023-11-16 2:06	2023-11-15 20:06	14.8	Light A - Dixie	4.97	21.22	13278	-22	10377	-3333	-880	-1820	55.9	34.1	281	1711
2023-11-16 2:06	2023-11-15 20:06	14.8	Light A - Dixie	4.96	21.22	13940	-454	8769	-3046	-922	-2181	61.9	28.1	310	3025
2023-11-16 2:06	2023-11-15 20:06	14.8	Light A - Dixie	4.97	21.22	14208	89	7515	-2876	-438	-2476	66.2	23.8	353	1881
2023-11-16 2:06	2023-11-15 20:06	14.8	Light A - Dixie	4.96	21.16	13648	-427	9442	-2757	60	-2570	59.3	30.7	9	731
2023-11-16 2:06	2023-11-15 20:06	14.8	Light A - Dixie	4.97	21.16	13896	-386	9758	-2775	536	-2456	58.8	31.2	36	1376
2023-11-16 2:06	2023-11-15 20:06	14.8	Light A - Dixie	4.96	21.16	13768	626	10153	-2929	853	-2138	57.3	32.7	67	1996
2023-11-16 2:06	2023-11-15 20:06	14.8	Light A - Dixie	4.96	21.16	14677	47	7024	-3158	1097	-1637	68.5	21.5	66	7119
2023-11-16 2:06	2023-11-15 20:06	14.8	Light A - Dixie	4.96	21.18	14145	-391	9996	-3497	711	-1219	58.6	31.4	94	1152
2023-11-16 2:06	2023-11-15 20:06	14.8	Light A - Dixie	4.96	21.18	14736	-143	9462	-3662	465	-889	61.1	28.9	103	2343
2023-11-16 2:06	2023-11-15 20:06	14.8	Light A - Dixie	4.96	21.18	14627	-530	9114	-3765	-352	-908	62	28	241	2980
2023-11-16 2:07	2023-11-15 20:07	14.5	Light A - Dixie	4.96	21.18	14628	-140	9081	-3664	-620	-1196	62.1	27.9	265	3682
2023-11-16 2:07	2023-11-15 20:07	14.5	Light A - Dixie	4.97	21.18	13584	-827	12547	-3345	-903	-1784	50.7	39.3	265	3430
2023-11-16 2:07	2023-11-15 20:07	14.5	Light A - Dixie	4.97	21.18	13298	-836	9955	-2867	-827	-2420	57.1	32.9	310	1473
2023-11-16 2:07	2023-11-15 20:07	14.5	Light A - Dixie	4.96	21.12	12536	-935	12961	-2300	-461	-2949	47.5	42.5	333	1389
2023-11-16 2:07	2023-11-15 20:07	14.5	Light A - Dixie	4.97	21.12	12966	-577	11631	-2227	106	-3022	51.8	38.2	7	2026
2023-11-16 2:07	2023-11-15 20:07	14.5	Light A - Dixie	4.96	21.12	12050	-2177	11042	-2286	608	-2882	50.9	39.1	6	1206
2023-11-16 2:07	2023-11-15 20:07	14.5	Light A - Dixie	4.96	21.15	12646	-757	11398	-2651	970	-2427	51.7	38.3	56	2140
2023-11-16 2:07	2023-11-15 20:07	14.5	Light A - Dixie	4.96	21.15	13047	-588	11198	-3073	936	-1924	53.1	36.9	78	1560
2023-11-16 2:07	2023-11-15 20:07	14.5	Light A - Dixie	4.97	21.02	12898	-299	11776	-3364	856	-1430	51.3	38.7	99	2508
2023-11-16 2:07	2023-11-15 20:07	14.5	Light A - Dixie	4.96	21.02	13360	-1057	11552	-3609	158	-1269	52.8	37.2	153	1837
2023-11-16 2:07	2023-11-15 20:07	14.5	Light A - Dixie	4.97	21.02	13062	-524	11295	-3611	-124	-1334	52.9	37.1	189	4208
2023-11-16 2:07	2023-11-15 20:07	14.5	Light A - Dixie	4.97	21.2	12840	-861	12077	-3476	-681	-1617	50.3	39.7	252	3227
2023-11-16 2:07	2023-11-15 20:07	14.5	Light A - Dixie	4.97	21.2	12095	-550	12035	-3255	-664	-2002	48.8	41.2	264	2524
2023-11-16 2:07	2023-11-15 20:07	14.1	Light A - Dixie	4.97	21.2	12800	-247	11852	-2742	-787	-2556	50.9	39.1	314	2024
2023-11-16 2:07	2023-11-15 20:07	14.1	Light A - Dixie	4.97	21.05	13252	657	11486	-2914	-976	-2317	52.6	37.4	309	2901
2023-11-16 2:07	2023-11-15 20:07	14.1	Light A - Dixie	4.96	21.05	13779	-541	9496	-3108	-904	-2111	59.4	30.6	302	5966
2023-12-14 22:24	2023-12-14 18:24	17	Light C - Tote	4.97	21.17	8031	-443	15404	-2187	830	-3242	30.3	59.7	81	1574
2023-12-14 22:24	2023-12-14 18:24	17	Light C - Tote	4.97	21.17	7988	-342	15555	-2201	843	-3232	29.9	60.1	83	1593
2023-12-14 22:24	2023-12-14 18:24	17	Light C - Tote	4.97	21.23	8171	-600	14945	-2216	850	-3215	31.6	58.4	78	1707
2023-12-14 22:24	2023-12-14 18:24	17	Light C - Tote	4.97	21.23	8306	-650	14570	-2232	867	-3195	32.7	57.3	74	1138
2023-12-14 22:24	2023-12-14 18:24	17	Light C - Tote	4.96	21.23	8282	-742	15056	-2242	875	-3184	31.7	58.3	78	723
2023-12-14 22:24	2023-12-14 18:24	16.7	Light C - Tote	4.97	21.23	8643	-2176	14798	-2306	792	-3142	33.1	56.9	64	1309
2023-12-14 22:24	2023-12-14 18:24	16.7	Light C - Tote	4.97	21.23	7543	-141	15726	-2465	718	-3001	28.3	61.7	103	507
2023-12-14 22:24	2023-12-14 18:24	16.7	Light C - Tote	4.97	21.23	7713	-1001	15693	-2512	312	-3059	28.8	61.2	127	1288
2023-12-14 22:24	2023-12-14 18:24	16.7	Light C - Tote	4.96	21.23	7645	-1596	15904	-2463	185	-3108	28.2			

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-12-14 22:25	2023-12-14 18:25	16.4	Light C - Tote	4.96	20.67	11845	-3061	12473	-2359	-506	-3173	46.3	43.7	307	4487
2023-12-14 22:25	2023-12-14 18:25	16.4	Light C - Tote	4.97	20.67	12113	-783	12188	-2005	0	-3500	48.4	41.6	0	2134
2023-12-14 22:25	2023-12-14 18:25	16.4	Light C - Tote	4.96	20.67	12051	-1338	11418	-1932	555	-3518	50.2	39.8	13	2771
2023-12-14 22:25	2023-12-14 18:25	16.4	Light C - Tote	4.97	21.12	12204	-635	12096	-2200	982	-3187	48.9	41.1	39	1409
2023-12-14 22:25	2023-12-14 18:25	16.4	Light C - Tote	4.96	21.12	12785	206	12410	-2674	1026	-2639	49.4	40.6	64	1247
2023-12-14 22:25	2023-12-14 18:25	16.1	Light C - Tote	4.97	21.12	12192	-525	12142	-3095	372	-2248	48.8	41.2	77	608
2023-12-14 22:25	2023-12-14 18:25	16.1	Light C - Tote	4.97	21.05	12393	-737	11545	-3163	-8	-2199	50.8	39.2	7	1783
2023-12-14 22:25	2023-12-14 18:25	16.1	Light C - Tote	4.97	21.05	11892	-248	11796	-3023	-593	-2377	49	41	297	1877
2023-12-14 22:25	2023-12-14 18:25	16.1	Light C - Tote	4.96	20.95	11264	-1635	12302	-2478	-681	-3025	46	44	310	1297
2023-12-14 22:25	2023-12-14 18:25	16.1	Light C - Tote	4.97	20.95	13411	-491	12020	-2013	-7	-3497	51.7	38.3	3	1436
2023-12-14 22:25	2023-12-14 18:25	16.1	Light C - Tote	4.96	20.95	12375	-961	12213	-1959	679	-3470	49	41	24	983
2023-12-14 22:25	2023-12-14 18:25	16.1	Light C - Tote	4.96	21.11	11611	740	12657	-2401	1153	-2913	46	44	63	2450
2023-12-14 22:25	2023-12-14 18:25	16.1	Light C - Tote	4.97	21.11	12098	-1206	11901	-3008	738	-2271	49.1	40.9	71	1030
2023-12-14 22:25	2023-12-14 18:25	16.1	Light C - Tote	4.97	21.11	13604	-1711	10716	-3347	318	-1729	55.3	34.7	84	1781
2023-12-14 22:25	2023-12-14 18:25	15.7	Light C - Tote	4.97	21.05	13380	-604	9063	-3314	-386	-1899	60	30	309	1205
2023-12-14 22:25	2023-12-14 18:25	15.7	Light C - Tote	4.97	21.05	12702	-1535	11373	-2878	-723	-2555	51.7	38.3	300	952
2023-12-14 22:25	2023-12-14 18:25	15.7	Light C - Tote	4.97	21.05	14091	162	11211	-2529	-324	-3044	55.1	34.9	359	1114
2023-12-14 22:25	2023-12-14 18:25	15.7	Light C - Tote	4.97	21	13600	-1422	9452	-2232	589	-3272	59	31	8	785
2023-12-14 22:25	2023-12-14 18:25	15.7	Light C - Tote	4.96	21	14345	-263	10290	-2430	1060	-2926	58.1	31.9	40	2271
2023-12-14 22:25	2023-12-14 18:25	15.7	Light C - Tote	4.97	21	12679	98	10145	-2799	1137	-2372	55.3	34.7	63	1442
2023-12-14 22:25	2023-12-14 18:25	15.7	Light C - Tote	4.96	21.2	12352	-1258	10507	-3188	562	-1987	53.5	36.5	71	1146
2023-12-14 22:25	2023-12-14 18:25	15.7	Light C - Tote	4.97	21.2	15051	-411	8275	-3510	102	-1248	65.1	24.9	72	2022
2023-12-14 22:25	2023-12-14 18:25	15.7	Light C - Tote	4.96	21.2	15043	-2689	8586	-3508	-447	-1305	63	27	272	1474
2023-12-14 22:25	2023-12-14 18:25	15.7	Light C - Tote	4.97	21.15	14260	1131	7145	-3204	-701	-2046	67	23	359	2277
2023-12-14 22:25	2023-12-14 18:25	15.7	Light C - Tote	4.97	21.15	14821	-1005	7630	-2773	-93	-2788	66.7	23.3	348	2425
2023-12-14 22:25	2023-12-14 18:25	15.7	Light C - Tote	4.97	21.15	14808	-1305	7845	-2674	684	-2782	65.9	24.1	12	1259
2023-12-14 22:25	2023-12-14 18:25	15.7	Light C - Tote	4.96	21.19	14999	-1468	8705	-2877	1135	-2258	63.5	26.5	39	1087
2023-12-14 22:25	2023-12-14 18:25	15.4	Light C - Tote	4.97	21.19	14826	-107	9424	-3274	903	-1530	61.4	28.6	78	2452
2023-12-14 22:25	2023-12-14 18:25	15.4	Light C - Tote	4.96	21.19	16023	-1317	6787	-3599	57	-472	70.6	19.4	186	562
2023-12-14 22:25	2023-12-14 18:25	15.4	Light C - Tote	4.97	21.21	16119	247	6207	-3589	-513	-783	72.7	17.3	284	2365
2023-12-14 22:25	2023-12-14 18:25	15.4	Light C - Tote	4.97	21.21	15869	-166	6691	-3405	-812	-1519	71	19	305	2533
2023-12-14 22:25	2023-12-14 18:25	15.4	Light C - Tote	4.97	21.21	15730	-408	4702	-3111	-377	-2301	77.4	12.6	344	1299
2023-12-14 22:25	2023-12-14 18:25	15.4	Light C - Tote	4.96	21.18	15984	-1226	5882	-2974	612	-2374	73.4	16.6	7	2051
2023-12-14 22:25	2023-12-14 18:25	15.4	Light C - Tote	4.97	21.18	15376	-924	7462	-3058	1207	-1820	67.9	22.1	54	3376
2023-12-14 22:25	2023-12-14 18:25	15.4	Light C - Tote	4.96	21.18	15470	-1063	5840	-3431	750	-1008	73.1	16.9	66	1451
2023-12-14 22:25	2023-12-14 18:25	15.4	Light C - Tote	4.97	21.26	15234	439	4530	-3585	115	-159	77.3	12.7	94	1961
2023-12-14 22:25	2023-12-14 18:25	15.4	Light C - Tote	4.97	21.26	16539	591	5271	-3616	-431	-436	75.6	14.4	274	2810
2023-12-14 22:25	2023-12-14 18:25	15.4	Light C - Tote	4.97	21.26	15889	-1300	4219	-3439	-1015	-1253	78.5	11.5	287	2427
2023-12-14 22:25	2023-12-14 18:25	15.4	Light C - Tote	4.97	21.26	15976	222	4333	-3387	-447	-1686	78.7	11.3	357	840
2023-12-14 22:25	2023-12-14 18:25	15.4	Light C - Tote	4.97	21.2	16292	-245	3514	-3169	665	-2006	81.7	8.3	31	813
2023-12-14 22:25	2023-12-14 18:25	15.1	Light C - Tote	4.96	21.2	16556	-1293	4314	-3276	1003	-1392	78.5	11.5	32	3655
2023-12-14 22:25	2023-12-14 18:25	15.1	Light C - Tote	4.96	21.2	16225	432	4847	-3483	631	-891	77	13	77	1147
2023-12-14 22:25	2023-12-14 18:25	15.1	Light C - Tote	4.97	21.21	12987	1448	10609	-3155	492	-2112	54.1	35.9	77	3363
2023-12-15 0:50	2023-12-14 18:50	18.6	Light D - Teardrop	4.96	20.9	7954	-663	15052	-964	99	-3999	30.7	59.3	8	1527
2023-12-15 0:50	2023-12-14 18:50	18.6	Light D - Teardrop	4.97	20.9	9115	-1248	16856	-917	654	-3992	31	59	26	4715
2023-12-15 0:50	2023-12-14 18:50	18.6	Light D - Teardrop	4.96	20.97	8645	-2186	19155	-1379	1475	-3594	28.2	61.8	58	2450
2023-12-15 0:50	2023-12-14 18:50	18.6	Light D - Teardrop	4.97	20.97	10619	-2689	15185	-1969	1384	-3238	37.7	52.3	48	4864
2023-12-15 0:50	2023-12-14 18:50	18.6	Light D - Teardrop	4.96	20.97	9392	-580	15175	-2442	985	-2963	34.7	55.3	80	1810
2023-12-15 0:50	2023-12-14 18:50	18.6	Light D - Teardrop	4.96	21.37	8035	-1249	14286	-2649	298	-2932	32.3	57.7	129	1660
2023-12-15 0:50	2023-12-14 18:50	18.3	Light D - Teardrop	4.96	21.37	8094	-1163	14788	-2441	-251	-3160	31.6	58.4	268	999
2023-12-15 0:50	2023-12-14 18:50	18.3	Light D - Teardrop	4.97	21.37	10542	515	13630	-1904	-455	-3535	41	49	356	1747
2023-12-15 0:50	2023-12-14 18:50	18.3	Light D - Teardrop	4.96	20.87	7390	-1514	16389	-1163	-174	-3924	26.7	63.3	339	2149
2023-12-15 0:50	2023-12-14 18:50	18.3	Light D - Teardrop	4.97	20.87	9701	-2371	15414	-1379	158	-3857	34.9	55.1	350	2543
2023-12-15 0:50	2023-12-14 18:50	18.3	Light D - Teardrop	4.97	20.9	8869	-1354	14592	-1395	694	-3809	34.3	55.7	29	1769
2023-12-15 0:50	2023-12-14 18:50	18.3	Light D - Teardrop	4.97	20.9	10060	-867	18212	-22299	4434	424	32	58	90	3175
2023-12-15 0:50	2023-12-14 18:50	18.3	Light D - Teardrop	4.96	20.9	11664	-83	12753	-2686	970	-2677	46	44	67	3812
2023-12-15 0:50	2023-12-14 18:50	18.3	Light D - Teardrop	4.97	21.14	8937	-238	14624	-2898	152	-2624	34.5	55.5	137	1131
2023-12-15 0:50	2023-12-14 18:50	18.3	Light D - Teardrop	4.96	21.14	9672	-906	14743	-2750	-607	-2781	36.3	53.7	264	2270
2023-12-15 0:50	2023-12-14 18:50	18.3	Light D - Teardrop	4.97	21.14	10615	-346	14414	-2176	-554	-3334	39.6	50.4	329	1683
2023-12-15 0:50	2023-12-14 18:50	18.3	Light D - Teardrop	4.97	20.88	10032	-1485	14261	-1633	-288	-3717	38.2	51.8	336	1627
2023-12-15 0:50	2023-12-14 18:50	18.3	Light D - Teardrop	4.97	20.88	10741	-170	14116	-1512	178	-3793	40.5	49.5	16	2070
2023-12-15 0:50	2023-12-14 18:50	18.3	Light D - Teardrop	4.97	20.91	12135	-2637	12827	-1849	568	-3587	46.4	43.6	1	1835
2023-12-15 0:50	2023-12-14 18:50	18.3	Light D - Teardrop	4.97	20.91	12095	-707	10853	-1973	1180	-3328	52	38	36	2224
2023-12-15 0:50	2023-12-14 18:50	18.3	Light D - Teardrop	4.96	20.91	12757	-2488	12491	-2242	1301	-3020	48.7	41.3	32	2385
2023-12-15 0:50	2023-12-14 18:50	18.3	Light D - Teardrop	4.97	21.08	12199	-1522	12926	-2633	1152	-2650	46.7	43.3	58	2189
2023-12-15 0:50	2023-12-14 18:50	18.3	Light D - Teardrop	4.96	21.08	11518	106	14483	-3000	684	-2338	41.7	48.3	96	3321
2023-12-15 0:50	2023-12-14 18:50	18	Light D - Teardrop	4.97	21.08	11955	448	13291	-3198	-279	-2166	45.3	44.7	174	3034
2023-12-15 0:50	2023-12-14 18:50	18	Light D - Teardrop	4.97	21.1	12099	501	12586	-2940	-489	-2546	47.3	42.7	333	3869
2023-12-15 0:51	2023-12-14 18:51	18	Light D - Teardrop	4.97	21.1	11381	-2460	13042	-2538	-695	-2977	44.2	45.8	298	2166
2023-12-15 0:51	2023-12-14 18:51	18	Light D - Teardrop	4.96	20.88	11933	-735	13494	-2111	-367	-3411	44.9	45.1	342	3162
2023-12-15 0:51	2023-12-14 18:51	18	Light D - Teardrop	4.97	20.88	11815	-1702	13592	-1925	-143	-3570	44.2	45.8	341	2382
2023-12-15 0:51	2023-12-14 18:51														

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-12-15 0:51	2023-12-14 18:51	17.4	Light D - Teardrop	4.97	21.14	13264	-294	9997	-3237	-744	-1990	56.9	33.1	294	4410
2023-12-15 0:51	2023-12-14 18:51	17.4	Light D - Teardrop	4.97	21.12	14065	695	10618	-2926	-666	-2531	56.5	33.5	344	2466
2023-12-15 0:51	2023-12-14 18:51	17.4	Light D - Teardrop	4.97	21.12	15855	771	6059	-2952	-176	-2562	72.7	17.3	21	2491
2023-12-15 0:51	2023-12-14 18:51	17	Light D - Teardrop	4.97	21.12	16763	-1392	3471	-3220	354	-2059	80.9	9.1	332	2290
2023-12-15 0:51	2023-12-14 18:51	17	Light D - Teardrop	4.96	21.12	15976	-46	4399	-3255	1026	-1522	78.5	11.5	58	2280
2023-12-15 0:51	2023-12-14 18:51	17	Light D - Teardrop	4.97	21.23	16935	-342	4287	-3359	1053	-955	79.1	10.9	68	2354
2023-12-15 0:51	2023-12-14 18:51	17	Light D - Teardrop	4.96	21.23	17974	1042	2882	-3485	715	-192	82.4	7.6	90	5761
2023-12-15 0:51	2023-12-14 18:51	17	Light D - Teardrop	4.96	21.23	16331	377	3156	-3551	243	91	82.6	7.4	90	1293
2023-12-15 0:51	2023-12-14 18:51	17	Light D - Teardrop	4.97	21.25	15693	-468	5034	-3586	-740	-237	76.2	13.8	271	1617
2023-12-15 0:51	2023-12-14 18:51	17	Light D - Teardrop	4.97	21.25	16092	-566	4389	-3536	-874	-878	78.6	11.4	287	3694
2023-12-15 0:51	2023-12-14 18:51	17	Light D - Teardrop	4.96	21.25	16856	71	1456	-3438	-415	-1601	88.4	1.6	42	3182
2023-12-15 0:51	2023-12-14 18:51	17	Light D - Teardrop	4.97	21.19	16613	-414	1501	-3483	269	-1346	88.3	1.7	329	2730
2023-12-15 0:51	2023-12-14 18:51	16.7	Light D - Teardrop	4.96	21.2	16210	318	3108	-3396	959	-945	82.8	7.2	75	4427
2023-12-15 0:51	2023-12-14 18:51	16.7	Light D - Teardrop	4.97	21.2	16663	304	-256	-3339	1157	-156	85.2	4.8	253	1872
2023-12-15 0:51	2023-12-14 18:51	16.7	Light D - Teardrop	4.96	21.19	16829	-315	1068	-3498	193	460	89.5	0.5	73	4280
2023-12-15 0:51	2023-12-14 18:51	16.7	Light D - Teardrop	4.96	21.19	16909	-203	695	-3551	-964	-443	88.7	1.3	110	1386
2023-12-15 0:51	2023-12-14 18:51	16.7	Light D - Teardrop	4.97	21.23	17031	1840	2969	-3388	-944	-1505	80.4	9.6	47	4154
2023-12-15 0:51	2023-12-14 18:51	16.7	Light D - Teardrop	4.96	21.23	17485	3332	172	-3402	-228	-1704	77.6	12.4	94	2793
2023-12-15 0:51	2023-12-14 18:51	16.7	Light D - Teardrop	4.96	21.23	15607	-1650	3405	-3331	261	-1863	80.3	9.7	318	4612
2023-12-15 1:34	2023-12-14 19:34	12.5	Light B - Tuzyk	4.96	21.44	10334	-3150	13899	-2421	1138	-2939	39.3	50.7	47	945
2023-12-15 1:34	2023-12-14 19:34	12.5	Light B - Tuzyk	4.97	21.44	9576	-2438	14203	-2841	585	-2654	36.9	53.1	121	2460
2023-12-15 1:34	2023-12-14 19:34	12.5	Light B - Tuzyk	4.96	21.38	8944	-2137	14420	-2749	-276	-2871	34.7	55.3	257	1268
2023-12-15 1:34	2023-12-14 19:34	12.5	Light B - Tuzyk	4.97	21.38	11442	-2569	14698	-1937	-409	-3547	40.7	49.3	317	4858
2023-12-15 1:34	2023-12-14 19:34	12.5	Light B - Tuzyk	4.96	21.38	10663	-1397	15129	-1315	633	-3863	38.2	51.8	21	1212
2023-12-15 1:34	2023-12-14 19:34	12.5	Light B - Tuzyk	4.97	21.38	9121	-1161	14724	-1860	1457	-3293	34.8	55.2	62	1867
2023-12-15 1:34	2023-12-14 19:34	12.5	Light B - Tuzyk	4.96	21.2	10709	-1236	11576	-2875	910	-2472	46.5	43.5	69	1138
2023-12-15 1:34	2023-12-14 19:34	12.5	Light B - Tuzyk	4.97	21.2	12095	-229	14878	-3074	-124	-2439	42.2	47.8	163	1661
2023-12-15 1:34	2023-12-14 19:34	12.5	Light B - Tuzyk	4.96	21.2	10029	-1492	13616	-2475	-748	-3077	39.6	50.4	296	2512
2023-12-15 1:34	2023-12-14 19:34	12.5	Light B - Tuzyk	4.97	21.17	9627	-607	14149	-1909	-296	-3582	37.4	52.6	344	2686
2023-12-15 1:34	2023-12-14 19:34	12.5	Light B - Tuzyk	4.96	21.17	12537	-2747	12457	-1774	748	-3610	48.1	41.9	5	2671
2023-12-15 1:34	2023-12-14 19:34	12.5	Light B - Tuzyk	4.97	21.17	11562	-529	12236	-2253	1235	-3055	47	43	50	3407
2023-12-15 1:34	2023-12-14 19:34	12.5	Light B - Tuzyk	4.96	21.17	13160	-302	10422	-3002	810	-2310	55.5	34.5	60	3561
2023-12-15 1:34	2023-12-14 19:34	12.5	Light B - Tuzyk	4.97	21.17	11336	-1264	10621	-3233	11	-2168	50.8	39.2	301	2682
2023-12-15 1:34	2023-12-14 19:34	12.5	Light B - Tuzyk	4.96	21.17	11248	186	13455	-2740	-835	-2761	43.3	46.7	301	1156
2023-12-15 1:34	2023-12-14 19:34	12.5	Light B - Tuzyk	4.96	21.16	12735	-1988	14717	-2142	-254	-3431	43.8	46.2	331	1939
2023-12-15 1:34	2023-12-14 19:34	12.5	Light B - Tuzyk	4.96	21.16	12384	276	10458	-2040	562	-3465	53.7	36.3	31	2243
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.97	21.16	11475	422	12267	-2418	1069	-2977	46.7	43.3	59	2053
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.97	21.2	12967	-735	12154	-3187	781	-1967	50.4	39.6	86	2375
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.96	21.2	12535	-879	11636	-3404	-236	-1794	50.8	39.2	236	724
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.96	21.2	14723	829	8360	-3120	-1019	-2156	64.1	25.9	329	4110
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.97	21.19	13494	-1880	12534	-2419	-641	-3142	50.4	39.6	319	2172
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.96	21.19	12432	-1106	12610	-2079	450	-3448	48.1	41.9	16	1608
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.97	21.19	12506	1088	11338	-2526	988	-2889	51.3	38.7	59	2360
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.96	21.23	12456	45	10185	-3176	682	-2037	54.7	35.3	75	4098
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.96	21.23	13923	-852	9060	-3489	-297	-1495	60.9	29.1	279	1282
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.96	21.23	14948	-24	9965	-3206	-1068	-1984	60	30	298	4591
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.96	21.19	14410	859	10963	-2701	-766	-2815	56.2	33.8	348	1968
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.96	21.19	13546	1198	10275	-2491	500	-3103	56.3	33.7	42	2037
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.97	21.19	13568	-1256	9787	-2851	1104	-2384	58	32	47	2247
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.96	21.19	14894	-398	9354	-3348	544	-1719	61.7	28.3	67	2188
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.97	21.25	14369	-366	10366	-3468	-524	-1551	57.9	32.1	270	1637
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.96	21.25	14761	-1254	7607	-3051	-797	-2364	66.6	23.4	313	4152
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.97	21.25	13203	-1788	7753	-2796	182	-2800	63.4	26.6	343	6972
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.96	21.3	14884	471	6931	-3083	922	-2064	68.9	21.1	57	1485
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.96	21.3	14058	-1060	6827	-3505	585	-1010	68.2	21.8	78	1894
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.96	21.3	15518	1517	7883	-3625	-459	-791	66.2	23.8	207	3730
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.97	21.3	15714	513	9724	-3307	-1131	-1683	61.8	28.2	293	1477
2023-12-15 1:35	2023-12-14 19:35	12.5	Light B - Tuzyk	4.96	21.3	16061	-1086	3839	-2947	85	-2594	80	10	339	3891
2023-12-15 1:35	2023-12-14 19:35	12.2	Light B - Tuzyk	4.97	21.3	14667	-1410	7855	-3022	1158	-2040	65.6	24.4	44	2651
2023-12-15 1:35	2023-12-14 19:35	12.2	Light B - Tuzyk	4.96	21.3	15883	254	2415	-3494	795	-727	85	5	79	2708
2023-12-15 1:35	2023-12-14 19:35	12.2	Light B - Tuzyk	4.97	21.33	14772	-1065	2935	-3635	-115	-152	82.3	7.7	273	7162
2023-12-15 1:35	2023-12-14 19:35	12.2	Light B - Tuzyk	4.96	21.33	14631	-121	7076	-3569	-835	-960	68.3	21.7	277	5366
2023-12-15 1:35	2023-12-14 19:35	12.2	Light B - Tuzyk	4.96	21.33	17263	21	2402	-3358	-331	-1897	85.4	4.6	8	2189
2023-12-15 1:35	2023-12-14 19:35	12.2	Light B - Tuzyk	4.96	21.33	15395	-1211	116	-3210	758	-1904	84.8	5.2	258	4597
2023-12-15 1:35	2023-12-14 19:35	12.2	Light B - Tuzyk	4.96	21.33	14546	549	5008	-3377	1061	-966	75	15	79	1304
2023-12-15 1:35	2023-12-14 19:35	12.2	Light B - Tuzyk	4.96	21.33	16739	249	4494	-3601	185	-70	78.3	11.7	93	1820
2023-12-15 1:35	2023-12-14 19:35	12.2	Light B - Tuzyk	4.97	21.33	15960	-668	-227	-3621	-715	-513	85.1	4.9	137	5490
2023-12-15 1:35	2023-12-14 19:35	12.2	Light B - Tuzyk	4.96	21.36	13421	-1826	244	-3488	-442	-1534	82.2	7.8	254	4603
2023-12-15 1:35	2023-12-14 19:35	12.2	Light B - Tuzyk	4.96	21.36	13111	6166	3055	-3373	597	-1590	59.7	30.3	90	5285
2023-12-15 1:49	2023-12-14 19:49	17.4	Light A - Dixie	4.96	21.36	10004	-565	15211	-2788	-13	-2833	36.3	53.7	137	1430
2023-12-15 1:49	2023-12-14 19:49	17.4	Light A - Dixie	4.97	21.36	8705	-2668	13805	-2616	-336	-3007	35	55	273	1497
2023-12-15 1:49	2023-12-14 19:49														

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2023-12-15 1:49	2023-12-14 19:49		17 Light A - Dixie	4.96	21.13	14022	-132	11020	-3514	-239	-1478	55.5	34.5	212	1481
2023-12-15 1:49	2023-12-14 19:49		17 Light A - Dixie	4.96	21.13	14378	-324	9301	-3298	-781	-1916	61	29	300	1897
2023-12-15 1:49	2023-12-14 19:49		17 Light A - Dixie	4.96	21.13	14284	-761	9878	-3011	-501	-2499	59.1	30.9	326	959
2023-12-15 1:49	2023-12-14 19:49		17 Light A - Dixie	4.97	21.25	14201	-716	9510	-2676	-389	-2948	60.1	29.9	343	1708
2023-12-15 1:49	2023-12-14 19:49		17 Light A - Dixie	4.96	21.25	13963	-898	10892	-2495	196	-3132	55.7	34.3	5	573
2023-12-15 1:49	2023-12-14 19:49		17 Light A - Dixie	4.97	21.25	14460	-2125	10118	-2551	797	-2932	58.3	31.7	10	4589
2023-12-15 1:49	2023-12-14 19:49		17 Light A - Dixie	4.96	21.25	14102	376	6994	-2918	1035	-2328	67.7	22.3	53	868
2023-12-15 1:49	2023-12-14 19:49		17 Light A - Dixie	4.96	21.25	15359	-571	9742	-3174	1030	-1823	61.3	28.7	67	865
2023-12-15 1:49	2023-12-14 19:49		17 Light A - Dixie	4.96	21.25	13562	-1273	10975	-3481	251	-1488	54.7	35.3	130	888
2023-12-15 1:49	2023-12-14 19:49		17 Light A - Dixie	4.97	21.25	15173	-434	7391	-3613	-337	-997	68	22	275	2231
2023-12-15 1:49	2023-12-14 19:49		16.7 Light A - Dixie	4.96	21.25	15420	-1208	5814	-3488	-564	-1510	73.1	16.9	298	2732
2023-12-15 1:49	2023-12-14 19:49		16.7 Light A - Dixie	4.97	21.25	14770	-2294	7410	-3188	-491	-2215	66.4	23.6	303	3031
2023-12-15 1:49	2023-12-14 19:49		16.7 Light A - Dixie	4.96	21.25	15210	449	9610	-2931	32	-2645	61.3	28.7	23	1983
2023-12-15 1:49	2023-12-14 19:49		16.7 Light A - Dixie	4.96	21.27	15270	-1412	5861	-2851	1020	-2442	72.6	17.4	16	1293
2023-12-15 1:49	2023-12-14 19:49		16.7 Light A - Dixie	4.97	21.27	14680	-2797	7593	-3114	1182	-1813	65.2	24.8	30	1493
2023-12-15 1:49	2023-12-14 19:49		16.7 Light A - Dixie	4.97	21.27	15543	-1085	6628	-3370	991	-1190	70.7	19.3	67	1328
2023-12-15 1:49	2023-12-14 19:49		16.7 Light A - Dixie	4.96	21.27	15669	280	5025	-3626	51	-777	76.1	13.9	70	2320
2023-12-15 1:50	2023-12-14 19:50		16.7 Light A - Dixie	4.97	21.25	16544	-564	4555	-3609	-771	-680	78.2	11.8	282	1621
2023-12-15 1:50	2023-12-14 19:50		16.7 Light A - Dixie	4.96	21.25	17147	661	3734	-3563	-723	-1156	80.4	9.6	350	1551
2023-12-15 1:50	2023-12-14 19:50		16.7 Light A - Dixie	4.96	21.25	16288	-440	4144	-3360	-228	-1904	79.6	10.4	345	1596
2023-12-15 1:50	2023-12-14 19:50		16.7 Light A - Dixie	4.96	21.31	15735	-1124	3625	-3256	440	-2018	80.5	9.5	347	1837
2023-12-15 1:50	2023-12-14 19:50		16.7 Light A - Dixie	4.97	21.31	16088	-1126	3227	-3259	1171	-1351	81.9	8.1	27	1362
2023-12-15 1:50	2023-12-14 19:50		16.7 Light A - Dixie	4.96	21.31	15710	-1055	4268	-3421	1035	-494	78.5	11.5	74	1707
2023-12-15 1:50	2023-12-14 19:50		16.7 Light A - Dixie	4.97	21.31	15363	-764	3708	-3629	-20	-29	80.3	9.7	229	3749
2023-12-15 1:50	2023-12-14 19:50		16.7 Light A - Dixie	4.96	21.32	17852	246	3802	-3645	-594	-276	80.6	9.4	279	2301
2023-12-15 1:50	2023-12-14 19:50		16.7 Light A - Dixie	4.96	21.32	15163	-553	2229	-3555	-815	-1116	85.6	4.4	293	2669
2023-12-15 1:50	2023-12-14 19:50		16.7 Light A - Dixie	4.96	21.32	15479	-709	3585	-3392	-308	-1825	80.9	9.1	327	2519
2023-12-15 1:50	2023-12-14 19:50		16.7 Light A - Dixie	4.97	21.31	14044	6872	17946	-2180	-244	-3406	38.2	51.8	67	7973
2024-03-09 2:16	2024-03-08 20:16		18 Light D - Teardrop	4.96	21.1	13861	-2634	9041	-2437	565	-3081	59.9	30.1	350	3302
2024-03-09 2:16	2024-03-08 20:16		17.7 Light D - Teardrop	4.96	21.1	13029	-5582	9647	-2352	927	-3067	53.1	36.9	326	1707
2024-03-09 2:16	2024-03-08 20:16		17.7 Light D - Teardrop	4.96	21.1	14868	-4903	7512	-2352	965	-3029	62.6	27.4	329	1842
2024-03-09 2:16	2024-03-08 20:16		17.7 Light D - Teardrop	4.96	21.1	13276	-4235	8325	-2387	1007	-2998	58.9	31.1	339	3380
2024-03-09 2:16	2024-03-08 20:16		17.7 Light D - Teardrop	4.96	21.1	13728	-5075	7970	-2287	1332	-2940	59.3	30.7	339	2868
2024-03-09 2:16	2024-03-08 20:16		17.4 Light D - Teardrop	4.96	21.2	12979	-5026	9161	-2274	1517	-2836	55	35	353	1850
2024-03-09 2:16	2024-03-08 20:16		17.4 Light D - Teardrop	4.96	21.2	13086	-5870	9653	-2046	1847	-2836	52.8	37.2	357	2695
2024-03-09 2:16	2024-03-08 20:16		17.4 Light D - Teardrop	4.96	21.2	13926	-3499	6707	-2231	1880	-2611	65.6	24.4	7	3465
2024-03-09 2:16	2024-03-08 20:16		17.4 Light D - Teardrop	4.96	21.2	13740	-6636	10538	-2230	2007	-2483	51.2	38.8	8	3409
2024-03-09 2:16	2024-03-08 20:16		17.4 Light D - Teardrop	4.96	21.37	14241	-5050	7745	-2234	2151	-2308	60.7	29.3	9	2340
2024-03-09 2:16	2024-03-08 20:16		17.4 Light D - Teardrop	4.96	21.37	14219	-6251	9021	-2264	2275	-2098	55.8	34.2	16	2198
2024-03-09 2:16	2024-03-08 20:16		17.4 Light D - Teardrop	4.96	21.37	13438	-5559	10058	-2356	2233	-2031	53.1	36.9	34	2456
2024-03-09 2:16	2024-03-08 20:16		17.4 Light D - Teardrop	4.96	21.44	14388	-3808	6851	-2499	2105	-1967	65.4	24.6	22	2220
2024-03-09 2:16	2024-03-08 20:16		17.4 Light D - Teardrop	4.96	21.44	14754	-5464	7693	-2793	1900	-1628	61	29	20	1785
2024-03-09 2:16	2024-03-08 20:16		17 Light D - Teardrop	4.96	21.44	13093	-4166	9517	-2899	1801	-1509	55.5	34.5	63	1905
2024-03-09 2:16	2024-03-08 20:16		17 Light D - Teardrop	4.96	21.44	13365	-5523	11133	-2971	1808	-1258	50.6	39.4	81	1872
2024-03-09 2:16	2024-03-08 20:16		17 Light D - Teardrop	4.96	21.4	14548	-4691	9650	-3079	1620	-1222	57.3	32.7	71	2093
2024-03-09 2:16	2024-03-08 20:16		17 Light D - Teardrop	4.97	21.4	14534	-4493	8441	-3171	1412	-1324	60.4	29.6	54	2318
2024-03-09 2:16	2024-03-08 20:16		16.7 Light D - Teardrop	4.96	21.4	14245	-4452	9564	-3175	1376	-1350	57.2	32.8	70	2421
2024-03-09 2:16	2024-03-08 20:16		16.7 Light D - Teardrop	4.96	21.4	13466	-4585	9625	-3270	1167	-1327	55.5	34.5	85	2509
2024-03-09 2:16	2024-03-08 20:16		16.7 Light D - Teardrop	4.96	21.34	13687	-4559	8927	-3344	956	-1365	57.6	32.4	64	2754
2024-03-09 2:16	2024-03-08 20:16		16.7 Light D - Teardrop	4.96	21.34	13701	-3186	9995	-3371	753	-1479	56.5	33.5	90	2271
2024-03-09 2:16	2024-03-08 20:16		16.7 Light D - Teardrop	4.96	21.34	13619	-4141	10384	-3403	561	-1532	54.4	35.6	231	1145
2024-03-09 2:16	2024-03-08 20:16		16.7 Light D - Teardrop	4.96	21.21	13381	-3348	9077	-3373	404	-1702	58.2	31.8	292	2154
2024-03-09 2:16	2024-03-08 20:16		16.7 Light D - Teardrop	4.96	21.21	13419	-4247	10307	-3328	263	-1869	54.1	35.9	274	3511
2024-03-09 2:16	2024-03-08 20:16		16.7 Light D - Teardrop	4.96	21.21	12943	-4046	9675	-3230	182	-2097	54.9	35.1	287	2129
2024-03-09 2:16	2024-03-08 20:16		16.7 Light D - Teardrop	4.96	21.1	11737	-4744	12935	-3017	-37	-2474	43.9	46.1	270	3566
2024-03-09 2:16	2024-03-08 20:16		16.4 Light D - Teardrop	4.96	21.1	12328	-2454	11649	-2906	0	-2634	49.8	40.2	314	1195
2024-03-09 2:16	2024-03-08 20:16		16.4 Light D - Teardrop	4.96	21.1	12497	-3806	10743	-2863	98	-2700	51.5	38.5	305	1797
2024-03-09 2:16	2024-03-08 20:16		16.4 Light D - Teardrop	4.96	21.13	11516	-5576	10259	-2807	194	-2742	48.3	41.7	290	2587
2024-03-09 2:16	2024-03-08 20:16		16.4 Light D - Teardrop	4.96	21.13	11117	-3156	12835	-2638	43	-2953	43.6	46.4	308	2960
2024-03-09 2:16	2024-03-08 20:16		16.1 Light D - Teardrop	4.96	21.13	11068	-3622	13545	-2561	33	-3028	41.7	48.3	303	1444
2024-03-09 2:16	2024-03-08 20:16		16.1 Light D - Teardrop	4.96	21.06	11188	-3738	11627	-2471	23	-3126	46.3	43.7	311	4447
2024-03-09 2:16	2024-03-08 20:16		16.1 Light D - Teardrop	4.96	21.06	12009	-4140	11967	-2350	106	-3233	42.6	47.4	307	648
2024-03-09 2:16	2024-03-08 20:16		16.1 Light D - Teardrop	4.96	21.01	11633	-3708	13049	-2302	83	-3268	44.1	45.9	318	3455
2024-03-09 2:16	2024-03-08 20:16		16.1 Light D - Teardrop	4.96	21.01	11413	-3215	11737	-2296	42	-3268	47	43	323	1966
2024-03-09 2:17	2024-03-08 20:17		16.1 Light D - Teardrop	4.96	21.01	12376	-2456	12139	-2203	-71	-3342	48.7	41.3	333	3715
2024-03-09 2:17	2024-03-08 20:17		16.1 Light D - Teardrop	4.96	20.98	10779	-3210	12490	-2048	322	-3461	43.5	46.5	338	2932
2024-03-09 2:17	2024-03-08 20:17		16.1 Light D - Teardrop	4.96	20.98	11079	-3716	11931	-1979	409	-3498	45.3	44.7	336	1647
2024-03-09 2:17	2024-03-08 20:17		15.7 Light D - Teardrop	4.96	20.96	11091	-3617	13419	-2009	316	-3481	42	48	334	2923
2024-03-09 2:17	2024-03-08 20:17		15.7 Light D - Teardrop	4.96	20.96	11081	-2291	12674	-1881	358	-3553	44.4	45.6	356	1758
2024-03-09 2:17	2024-03-08 20:17		15.7 Light D - Teardrop	4.96	20.96	12121	-4068	12202	-1921	615	-3502	46.9	43.1	343	1850
2024-03-09 2:17	2024-03-08 20:17		15.7 Light D - Teardrop	4.96	20.95	11675	-4372	12637	-1957	760	-3447	44.6	45.4	346	1832
2024-03-09 2:17	2024-03-08 20:17		15.7 Light D - Teardrop	4.96	20.95	12284</									

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2024-03-09 2:17	2024-03-08 20:17	14.5	Light D - Teardrop	4.96	21.2	12570	-4265	12628	-3167	373	-2199	46.8	43.2	264	1285
2024-03-09 2:17	2024-03-08 20:17	14.5	Light D - Teardrop	4.96	21.2	11987	-4647	11540	-3063	387	-2358	47.6	42.4	282	2460
2024-03-09 2:17	2024-03-08 20:17	14.5	Light D - Teardrop	4.96	21.15	11598	-5010	11865	-3008	292	-2469	45.6	44.4	278	2281
2024-03-09 2:17	2024-03-08 20:17	14.5	Light D - Teardrop	4.96	21.15	11892	-4040	11762	-2909	144	-2630	47.4	42.6	294	2179
2024-03-09 2:17	2024-03-08 20:17	14.5	Light D - Teardrop	4.96	21.15	9924	-4168	15473	-2637	-41	-2966	34.7	55.3	269	2526
2024-03-09 2:17	2024-03-08 20:17	14.1	Light D - Teardrop	4.96	21.15	10652	-2829	12648	-2645	-143	-2957	43.1	46.9	302	3823
2024-03-09 2:17	2024-03-08 20:17	14.1	Light D - Teardrop	4.96	21.15	10642	-3427	13053	-2549	-26	-3063	41.8	48.2	303	2328
2024-03-09 2:17	2024-03-08 20:17	14.1	Light D - Teardrop	4.96	21.15	10141	-4687	12572	-2353	152	-3247	40.6	49.4	301	1549
2024-03-09 2:17	2024-03-08 20:17	14.1	Light D - Teardrop	4.96	21.13	10427	-2529	13087	-2284	-101	-3303	41.6	48.4	319	1641
2024-03-09 2:17	2024-03-08 20:17	13.8	Light D - Teardrop	4.97	21.13	11438	-3454	14134	-2211	-175	-3342	41.5	48.5	311	1550
2024-03-09 2:17	2024-03-08 20:17	13.8	Light D - Teardrop	4.96	21.13	11362	-2347	12040	-2101	-43	-3426	46.6	43.4	334	2527
2024-03-09 2:17	2024-03-08 20:17	13.8	Light D - Teardrop	4.96	20.96	11170	-3307	14087	-1977	73	-3525	41	49	328	3420
2024-03-09 2:17	2024-03-08 20:17	13.8	Light D - Teardrop	4.96	20.96	10380	-4355	13115	-1909	350	-3567	40.3	49.7	325	3280
2024-03-09 2:17	2024-03-08 20:17	13.8	Light D - Teardrop	4.96	20.96	10701	-2696	12318	-2010	191	-3503	44	46	339	2621
2024-03-09 2:17	2024-03-08 20:17	13.8	Light D - Teardrop	4.96	20.93	12168	-1468	11677	-1964	163	-3530	49.8	40.2	357	1654
2024-03-09 2:17	2024-03-08 20:17	13.8	Light D - Teardrop	4.96	20.93	11157	-4267	13754	-1719	369	-3665	41.1	48.9	334	1523
2024-03-09 2:17	2024-03-08 20:17	13.8	Light D - Teardrop	4.96	20.9	11295	-6475	12062	-1717	767	-3616	42.9	47.1	324	2095
2024-03-09 2:17	2024-03-08 20:17	13.5	Light D - Teardrop	4.96	20.9	10915	-4726	12453	-1614	784	-3661	42.9	47.1	344	2027
2024-03-09 2:17	2024-03-08 20:17	13.5	Light D - Teardrop	4.96	20.85	10610	-2477	13443	-1540	648	-3718	41.3	48.7	8	2034
2024-03-09 2:17	2024-03-08 20:17	13.5	Light D - Teardrop	4.96	20.85	11341	-3823	13678	-1549	727	-3703	42	48	356	1544
2024-03-09 2:17	2024-03-08 20:17	13.5	Light D - Teardrop	4.96	20.85	10626	-3799	13588	-1478	955	-3693	40.4	49.6	5	1737
2024-03-09 2:17	2024-03-08 20:17	13.5	Light D - Teardrop	4.96	20.9	10345	-3769	12852	-1397	1208	-3660	41.2	48.8	12	2248
2024-03-09 2:17	2024-03-08 20:17	13.2	Light D - Teardrop	4.96	20.9	10967	-2852	12194	-1547	1168	-3592	44.9	45.1	17	2239
2024-03-09 2:17	2024-03-08 20:17	13.2	Light D - Teardrop	4.96	20.9	10326	-3461	12827	-1430	1360	-3576	41.4	48.6	20	1949
2024-03-09 2:17	2024-03-08 20:17	13.2	Light D - Teardrop	4.96	21.13	10271	-5134	14141	-1450	1605	-3459	37.5	52.5	18	2477
2024-03-09 2:17	2024-03-08 20:17	13.2	Light D - Teardrop	4.96	21.13	10423	-3160	13634	-1585	1586	-3383	40.1	49.9	34	2591
2024-03-09 2:17	2024-03-08 20:17	13.2	Light D - Teardrop	4.97	21.13	11582	-3273	13292	-1638	1671	-3315	43.7	46.3	31	2215
2024-03-09 2:18	2024-03-08 20:18	13.2	Light D - Teardrop	4.96	21.32	11142	-3463	10636	-1792	1695	-3201	48.9	41.1	20	2331
2024-03-09 2:18	2024-03-08 20:18	13.2	Light D - Teardrop	4.96	21.32	11172	-4807	12504	-1834	1981	-2959	43.3	46.7	28	2441
2024-03-09 2:18	2024-03-08 20:18	13.2	Light D - Teardrop	4.96	21.32	10766	-4947	11553	-2001	1954	-2817	44.2	45.8	26	3971
2024-03-09 2:18	2024-03-08 20:18	12.8	Light D - Teardrop	4.96	21.32	12558	-3735	13464	-2240	1847	-2655	45.4	44.6	48	2168
2024-03-09 2:18	2024-03-08 20:18	12.8	Light D - Teardrop	4.96	21.37	11994	-1916	9775	-2463	1614	-2564	54.5	35.5	45	1494
2024-03-09 2:18	2024-03-08 20:18	12.8	Light D - Teardrop	4.96	21.37	12424	-4509	11266	-2607	1633	-2362	49.4	40.6	37	1590
2024-03-09 2:18	2024-03-08 20:18	12.8	Light D - Teardrop	4.96	21.37	12053	-2916	13121	-2724	1439	-2348	45.4	44.6	68	1968
2024-03-09 2:18	2024-03-08 20:18	12.5	Light D - Teardrop	4.96	21.31	12356	-500	10795	-2837	1153	-2391	52.8	37.2	64	1781
2024-03-09 2:18	2024-03-08 20:18	12.5	Light D - Teardrop	4.96	21.31	12177	-3729	12073	-2921	1232	-2187	47.6	42.4	64	2572
2024-03-09 2:18	2024-03-08 20:18	12.5	Light D - Teardrop	4.96	21.31	12885	-4391	10261	-3054	1160	-2000	52.9	37.1	31	1960
2024-03-09 2:18	2024-03-08 20:18	12.5	Light D - Teardrop	4.96	21.31	12181	-3148	9765	-3163	931	-1949	54	36	48	1823
2024-03-09 2:18	2024-03-08 20:18	12.5	Light D - Teardrop	4.96	21.27	11922	-4381	12891	-3128	767	-2110	44.7	45.3	165	3109
2024-03-09 2:18	2024-03-08 20:18	12.2	Light D - Teardrop	4.96	21.27	12222	-3642	12411	-3181	501	-2149	47	43	246	2851
2024-03-09 2:18	2024-03-08 20:18	12.2	Light D - Teardrop	4.96	21.27	11305	-5583	12335	-3090	432	-2333	43.3	46.7	261	2092
2024-03-09 2:18	2024-03-08 20:18	12.2	Light D - Teardrop	4.96	21.12	10012	-1130	14789	-2781	18	-2818	37.2	52.8	211	3680
2024-03-09 2:18	2024-03-08 20:18	12.2	Light D - Teardrop	4.96	21.12	9244	-2441	14058	-2689	-64	-2920	36.2	53.8	271	1529
2024-03-09 2:18	2024-03-08 20:18	12.2	Light D - Teardrop	4.96	21.12	9818	-1468	14184	-2631	-227	-2980	37.8	52.2	295	2723
2024-03-09 2:18	2024-03-08 20:18	12.2	Light D - Teardrop	4.96	21.23	10001	-2761	13559	-2550	-141	-3075	39.3	50.7	298	882
2024-03-09 2:18	2024-03-08 20:18	12.2	Light D - Teardrop	4.96	21.23	11625	-3096	12350	-2428	-104	-3184	46.1	43.9	316	1560
2024-03-09 2:18	2024-03-08 20:18	12.2	Light D - Teardrop	4.96	21.23	10050	-3814	12908	-2323	-36	-3277	40.3	49.7	303	2637
2024-03-09 2:18	2024-03-08 20:18	11.9	Light D - Teardrop	4.96	21.15	10091	-3694	13761	-2174	-60	-3402	38.6	51.4	306	2446
2024-03-09 2:18	2024-03-08 20:18	11.9	Light D - Teardrop	4.96	21.15	10787	-1226	12718	-2010	-162	-3505	43.8	46.2	344	1304
2024-03-09 2:18	2024-03-08 20:18	11.9	Light D - Teardrop	4.96	21.15	9737	-3914	14323	-1850	1	-3604	36.4	53.6	313	2616
2024-03-09 2:18	2024-03-08 20:18	11.9	Light D - Teardrop	4.96	20.98	10221	-4656	13316	-1714	333	-3685	39.3	50.7	325	1443
2024-03-09 2:18	2024-03-08 20:18	11.6	Light D - Teardrop	4.96	20.98	8438	-3796	13945	-1241	389	-3891	33.4	56.6	340	3408
2024-03-09 2:18	2024-03-08 20:18	11.6	Light D - Teardrop	4.96	20.82	8476	-2644	14487	-1096	344	-3933	33	57	355	2250
2024-03-09 2:18	2024-03-08 20:18	11.6	Light D - Teardrop	4.96	20.82	9180	-4788	15377	-1031	661	-3924	32.6	57.4	348	2503
2024-03-09 2:18	2024-03-08 20:18	11.6	Light D - Teardrop	4.96	20.67	7508	-5458	15061	-1008	1244	-3808	27.8	62.2	6	1732
2024-03-09 2:18	2024-03-08 20:18	11.6	Light D - Teardrop	4.96	20.67	9345	-3616	14109	-1085	1159	-3813	35.9	54.1	16	3200
2024-03-09 2:18	2024-03-08 20:18	11.6	Light D - Teardrop	4.96	20.9	9195	-3372	13117	-1035	1208	-3808	37.6	52.4	16	2336
2024-03-09 2:18	2024-03-08 20:18	11.6	Light D - Teardrop	4.96	20.9	9625	-5117	14387	-1050	1426	-3723	35.3	54.7	11	1929
2024-03-09 2:18	2024-03-08 20:18	11.6	Light D - Teardrop	4.96	20.9	9492	-3780	14002	-1203	1620	-3587	36.4	53.6	28	1317
2024-03-09 2:18	2024-03-08 20:18	11.6	Light D - Teardrop	4.96	20.9	9483	-2760	13698	-1246	1745	-3507	37.5	52.5	38	2441
2024-03-09 2:18	2024-03-08 20:18	11.2	Light D - Teardrop	4.96	21.31	10086	-4378	14554	-1432	1840	-3353	36.7	53.3	33	2267
2024-03-09 2:18	2024-03-08 20:18	11.2	Light D - Teardrop	4.96	21.31	10150	-4320	13101	-1596	1921	-3202	39.8	50.2	31	4569
2024-03-09 2:18	2024-03-08 20:18	11.2	Light D - Teardrop	4.96	21.31	8861	-2326	15415	-1767	1773	-3181	32.5	57.5	62	2021
2024-03-09 2:18	2024-03-08 20:18	11.2	Light D - Teardrop	4.96	21.31	8481	-3483	14629	-1855	1801	-3102	32.4	57.6	57	2681
2024-03-09 2:18	2024-03-08 20:18	10.9	Light D - Teardrop	4.96	19.31	8879	-5235	14874	-2038	1792	-2931	32.3	57.7	55	3450
2024-03-09 2:18	2024-03-08 20:18	10.9	Light D - Teardrop	4.96	19.31	8961	-3643	13746	-2247	1729	-2761	35.5	54.5	67	2613
2024-03-09 2:18	2024-03-08 20:18	10.9	Light D - Teardrop	4.96	20.43	10081	-3160	12629	-2350	1661	-2714	41.4	48.6	56	2832
2024-03-09 2:18	2024-03-08 20:18	10.9	Light D - Teardrop	4.96	20.43	9867	-5927	13489	-2533	1398	-2660	37	53	35	2005
2024-03-09 2:18	2024-03-08 20:18	10.9	Light D - Teardrop	4.96	20.43	9282	-5239	14392	-2731	1122	-2575	34.2	55.8	139	1428
2024-03-09 2:18	2024-03-08 20:18	10.9	Light D - Teardrop	4.96	21.3	8526	-5267	16756	-2657	719	-2855	28.4	61.6	201	1148
2024-03-09 2:18	2024-03-08 20:18	10.9	Light D - Teardrop	4.96											

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2024-03-09 2:40	2024-03-08 20:40	8.3	Light B - Tuzyk	4.96	21.57	15301	-3256	5825	-3330	1202	-770	70.3	19.7	59	1919
2024-03-09 2:40	2024-03-08 20:40	4.96	8 Light B - Tuzyk	4.96	21.57	15504	-2340	4973	-3479	833	-634	74.5	15.5	61	2090
2024-03-09 2:40	2024-03-08 20:40	4.96	8 Light B - Tuzyk	4.96	21.57	15744	-2001	5922	-3520	663	-744	72.3	17.7	70	1997
2024-03-09 2:40	2024-03-08 20:40	4.96	8 Light B - Tuzyk	4.96	21.57	14982	-3434	8315	-3472	623	-1141	62.9	27.1	68	2355
2024-03-09 2:40	2024-03-08 20:40	4.96	8 Light B - Tuzyk	4.96	21.42	13858	-2844	8425	-3431	562	-1402	61.4	28.6	27	1417
2024-03-09 2:40	2024-03-08 20:40	4.96	8 Light B - Tuzyk	4.96	21.42	13883	-5592	8367	-3415	601	-1403	57.7	32.3	267	3469
2024-03-09 2:40	2024-03-08 20:40	4.96	8 Light B - Tuzyk	4.96	21.42	13918	-3513	9799	-3426	323	-1575	57.1	32.9	267	2051
2024-03-09 2:40	2024-03-08 20:40	4.96	8 Light B - Tuzyk	4.96	21.2	14142	-3007	9358	-3377	232	-1771	59.2	30.8	295	1264
2024-03-09 2:40	2024-03-08 20:40	4.96	8 Light B - Tuzyk	4.96	21.2	13646	-4168	9329	-3354	216	-1837	57.1	32.9	280	2312
2024-03-09 2:40	2024-03-08 20:40	4.96	8 Light B - Tuzyk	4.96	21.2	14242	-2597	10249	-3315	5	-1956	57.3	32.7	294	953
2024-03-09 2:40	2024-03-08 20:40	4.96	8 Light B - Tuzyk	4.96	21.1	13600	-3511	8901	-3290	68	-1993	58.9	31.1	291	1211
2024-03-09 2:40	2024-03-08 20:40	4.96	8 Light B - Tuzyk	4.96	21.1	13563	-3327	8456	-3202	-8	-2208	60.3	29.7	299	1693
2024-03-09 2:40	2024-03-08 20:40	4.96	8 Light B - Tuzyk	4.96	21.1	14043	-4014	9548	-3141	-46	-2297	57.4	32.6	294	1122
2024-03-09 2:40	2024-03-08 20:40	4.96	8 Light B - Tuzyk	4.96	21.1	11098	-4628	13914	-3029	-72	-2480	40.4	49.6	259	5468
2024-03-09 2:40	2024-03-08 20:40	4.96	8 Light B - Tuzyk	4.96	21.1	13771	-4068	9229	-3012	-36	-2498	57.7	32.3	300	1362
2024-03-09 2:40	2024-03-08 20:40	4.96	8 Light B - Tuzyk	4.96	21.08	12687	-3958	11234	-2939	-25	-2611	50.6	39.4	296	1154
2024-03-09 2:40	2024-03-08 20:40	4.96	8 Light B - Tuzyk	4.96	21.08	12927	-3162	10371	-2757	49	-2838	54	36	319	3070
2024-03-09 2:40	2024-03-08 20:40	4.96	8 Light B - Tuzyk	4.96	21.08	13047	-2387	7638	-2727	119	-2855	62.9	27.1	331	1730
2024-03-09 2:40	2024-03-08 20:40	4.96	7.7 Light B - Tuzyk	4.96	21.07	13790	-2990	8799	-2661	81	-2943	60.1	29.9	326	2453
2024-03-09 2:40	2024-03-08 20:40	4.96	7.7 Light B - Tuzyk	4.96	21.07	13366	-2970	10914	-2531	316	-3053	53.6	36.4	339	3347
2024-03-09 2:40	2024-03-08 20:40	4.96	7.7 Light B - Tuzyk	4.96	21.07	12486	-3124	11202	-2356	408	-3210	50.9	39.1	341	1593
2024-03-09 2:40	2024-03-08 20:40	4.96	7.7 Light B - Tuzyk	4.96	21.03	13443	-3149	10802	-2347	503	-3201	53.9	36.1	345	1471
2024-03-09 2:40	2024-03-08 20:40	4.96	7.7 Light B - Tuzyk	4.96	21.03	13476	-4978	10009	-2250	764	-3227	54	36	331	2118
2024-03-09 2:40	2024-03-08 20:40	4.96	7.7 Light B - Tuzyk	4.96	21.03	12602	-3616	11611	-2159	740	-3305	49.8	40.2	351	3421
2024-03-09 2:40	2024-03-08 20:40	4.96	7.7 Light B - Tuzyk	4.96	21.07	12873	-5531	12570	-2271	644	-3211	46.5	43.5	325	4164
2024-03-09 2:40	2024-03-08 20:40	4.96	7.7 Light B - Tuzyk	4.96	21.07	12683	-2076	11727	-2186	869	-3233	50.6	39.4	17	1268
2024-03-09 2:40	2024-03-08 20:40	4.96	7.7 Light B - Tuzyk	4.96	21.07	13459	-4744	10468	-2090	1369	-3097	53.2	36.8	356	2313
2024-03-09 2:40	2024-03-08 20:40	4.96	7.7 Light B - Tuzyk	4.96	21.3	14009	-3552	7247	-2202	1525	-2906	64.1	25.9	358	1738
2024-03-09 2:40	2024-03-08 20:40	4.96	7.7 Light B - Tuzyk	4.96	21.3	13366	-4620	10203	-2223	1532	-2874	53.8	36.2	4	2636
2024-03-09 2:40	2024-03-08 20:40	4.96	7.7 Light B - Tuzyk	4.96	21.3	13616	-3412	9781	-2248	1480	-2879	56.7	33.3	14	2830
2024-03-09 2:40	2024-03-08 20:40	4.96	7.4 Light B - Tuzyk	4.96	21.3	13628	-4217	10171	-2312	1535	-2752	54.9	35.1	11	2164
2024-03-09 2:40	2024-03-08 20:40	4.96	7.4 Light B - Tuzyk	4.96	21.5	13143	-3782	10609	-2387	1711	-2537	53.2	36.8	30	1585
2024-03-09 2:40	2024-03-08 20:40	4.96	7.4 Light B - Tuzyk	4.96	21.5	13400	-2780	10252	-2411	1786	-2431	55.5	34.5	41	2761
2024-03-09 2:40	2024-03-08 20:40	4.96	7.4 Light B - Tuzyk	4.96	21.5	13492	-4576	8288	-2421	1867	-2350	58.9	31.1	12	1140
2024-03-09 2:40	2024-03-08 20:40	4.96	7.4 Light B - Tuzyk	4.96	21.5	13585	-2856	9713	-2511	1751	-2311	57.3	32.7	41	1407
2024-03-09 2:40	2024-03-08 20:40	4.96	7.4 Light B - Tuzyk	4.96	21.5	15101	-4651	9634	-2519	1719	-2347	58.3	31.7	17	2585
2024-03-09 2:40	2024-03-08 20:40	4.96	7.4 Light B - Tuzyk	4.96	21.55	13574	-2529	8791	-2667	1686	-2135	60.2	29.8	43	2351
2024-03-09 2:40	2024-03-08 20:40	4.96	7.4 Light B - Tuzyk	4.96	21.55	13790	-4197	8615	-2721	1751	-1964	59.1	30.9	30	1439
2024-03-09 2:40	2024-03-08 20:40	4.96	7.4 Light B - Tuzyk	4.96	21.55	13860	-4717	10104	-2803	1724	-1789	54.9	35.1	48	1977
2024-03-09 2:40	2024-03-08 20:40	4.96	7.4 Light B - Tuzyk	4.96	21.55	12851	-4628	-1628	-3035	4556	356	68.1	21.9	310	1357
2024-03-09 2:40	2024-03-08 20:40	4.96	7.4 Light B - Tuzyk	4.96	21.51	14522	-1108	8502	-3088	1284	-1707	63.5	26.5	63	1970
2024-03-09 2:40	2024-03-08 20:40	4.96	7.4 Light B - Tuzyk	4.96	21.51	13604	-2306	10060	-3158	1227	-1567	56.8	33.2	75	1378
2024-03-09 2:40	2024-03-08 20:40	4.96	7.4 Light B - Tuzyk	4.96	21.51	13534	-3866	9191	-3186	1236	-1486	57.6	32.4	64	2034
2024-03-09 2:40	2024-03-08 20:40	4.96	7 Light B - Tuzyk	4.96	21.51	13546	-5507	10196	-3223	1196	-1425	53.1	36.9	88	1168
2024-03-09 2:40	2024-03-08 20:40	4.96	7 Light B - Tuzyk	4.96	21.42	13785	-2963	8361	-3347	875	-1398	61.4	28.6	61	2053
2024-03-09 2:40	2024-03-08 20:40	4.96	7 Light B - Tuzyk	4.96	21.42	13668	-882	10071	-3417	442	-1541	57.5	32.5	90	1626
2024-03-09 2:41	2024-03-08 20:41	4.96	7 Light B - Tuzyk	4.96	21.42	14437	-2298	8649	-3462	118	-1546	62.3	27.7	294	2721
2024-03-09 2:41	2024-03-08 20:41	4.96	7 Light B - Tuzyk	4.96	21.23	12747	-2057	11745	-3280	-64	-2060	50.7	39.3	269	618
2024-03-09 2:41	2024-03-08 20:41	4.96	7 Light B - Tuzyk	4.96	21.23	12842	-2481	10782	-3209	-70	-2180	53.2	36.8	291	1484
2024-03-09 2:41	2024-03-08 20:41	4.96	7 Light B - Tuzyk	4.96	21.23	13344	-2424	10825	-3138	-190	-2314	54.1	35.9	298	3227
2024-03-09 2:41	2024-03-08 20:41	4.96	7 Light B - Tuzyk	4.96	21.09	12605	-2810	12708	-3000	-183	-2522	47.7	42.3	289	1266
2024-03-09 2:41	2024-03-08 20:41	4.96	7 Light B - Tuzyk	4.96	21.09	13216	-2913	11394	-2961	-160	-2589	52.1	37.9	303	996
2024-03-09 2:41	2024-03-08 20:41	4.96	7 Light B - Tuzyk	4.96	21.09	11607	-3923	11847	-2892	-27	-2682	46.6	43.4	290	3242
2024-03-09 2:41	2024-03-08 20:41	4.96	7 Light B - Tuzyk	4.96	21.1	12474	-2792	11050	-2845	-149	-2735	51.5	38.5	309	944
2024-03-09 2:41	2024-03-08 20:41	4.96	7 Light B - Tuzyk	4.96	21.1	13014	-3322	11373	-2729	-144	-2874	51.5	38.5	310	1635
2024-03-09 2:41	2024-03-08 20:41	4.96	7 Light B - Tuzyk	4.96	21.04	12123	-3897	11476	-2652	-121	-2972	48.8	41.2	304	3411
2024-03-09 2:41	2024-03-08 20:41	4.97	7 Light B - Tuzyk	4.97	21.04	13683	-4025	9798	-2605	226	-3000	56.1	33.9	320	1926
2024-03-09 2:41	2024-03-08 20:41	4.96	7 Light B - Tuzyk	4.96	21.04	12196	-2685	9533	-2460	307	-3128	55.2	34.8	339	3369
2024-03-09 2:41	2024-03-08 20:41	4.96	7 Light B - Tuzyk	4.96	21.03	12376	-3788	10572	-2373	439	-3203	51.7	38.3	332	870
2024-03-09 2:41	2024-03-08 20:41	4.96	7 Light B - Tuzyk	4.96	21.03	13367	-3757	9165	-2349	322	-3223	57.5	32.5	328	575
2024-03-09 2:41	2024-03-08 20:41	4.96	6.7 Light B - Tuzyk	4.96	21.03	11673	-4154	12036	-2201	455	-3329	46.2	43.8	330	1139
2024-03-09 2:41	2024-03-08 20:41	4.96	6.7 Light B - Tuzyk	4.96	20.98	12537	-4541	11308	-2102	727	-3352	49.5	40.5	339	2516
2024-03-09 2:41	2024-03-08 20:41	4.96	6.7 Light B - Tuzyk	4.96	20.98	14470	-2992	8387	-2162	900	-3267	62.4	27.6	353	3555
2024-03-09 2:41	2024-03-08 20:41	4.96	6.7 Light B - Tuzyk	4.96	20.98	13420	-4482	9587	-2191	1025	-3185	55.6	34.4	344	2154
2024-03-09 2:41	2024-03-08 20:41	4.96	6.7 Light B - Tuzyk	4.96	21.1	12480	-4049	10677	-2147	1362	-3067	51.4	38.6	5	1129
2024-03-09 2:41	2024-03-08 20:41	4.96	6.7 Light B - Tuzyk	4.96	21.1	13055	-3025	9427	-2128	1351	-3080	56.9	33.1	10	1535
2024-03-09 2:41	2024-03-08 20:41	4.96	6.7 Light B - Tuzyk	4.96	21.1	13086	-5130	10571	-2196	1512	-2915	51.8	38.2	359	1082
2024-03-09 2:41	2024-03-08 20:41	4.96	6.7 Light B - Tuzyk	4.96	21.43	13006	-2068	9145	-2230	1440	-2912	58.4	31.6	25	1563
2024-03-09 2:41	2024-03-08 20:41	4.96	6.7 Light B - Tuzyk	4.96	21.43	13107	-5077	10199	-2171	1794	-2714	52.7	37.3	10	1474
2024-03-09 2:41	2024-03-08 20:41	4.96	6.4 Light B - Tuzyk	4.96	21.43	12531	-5725	10717	-2101	1					

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2024-03-09 2:41	2024-03-08 20:41	5.8	Light B - Tuzyk	4.96	20.86	11129	-5417	12515	-1572	1482	-3458	42.6	47.4	3	747
2024-03-09 2:41	2024-03-08 20:41	4.96	5.8 Light B - Tuzyk	4.96	20.93	11600	-4766	13058	-1609	1276	-3517	43.3	46.7	5	1484
2024-03-09 2:41	2024-03-08 20:41	4.96	5.8 Light B - Tuzyk	4.96	20.93	12892	-3300	11629	-1794	1252	-3401	50.6	39.4	13	1096
2024-03-09 2:41	2024-03-08 20:41	4.96	5.8 Light B - Tuzyk	4.96	20.93	12655	-4418	10183	-1936	1495	-3162	52.6	37.4	2	1022
2024-03-09 2:41	2024-03-08 20:41	4.96	5.8 Light B - Tuzyk	4.96	20.93	12127	-6025	11532	-1843	1924	-2962	46.5	43.5	7	2037
2024-03-09 2:41	2024-03-08 20:41	4.96	5.8 Light B - Tuzyk	4.96	21.34	12399	-5190	11172	-1941	1813	-2952	48.8	41.2	10	1237
2024-03-09 2:41	2024-03-08 20:41	4.96	5.8 Light B - Tuzyk	4.96	21.34	12095	-3011	11614	-2019	1626	-2994	49	41	30	2023
2024-03-09 2:41	2024-03-08 20:41	4.96	5.8 Light B - Tuzyk	4.96	21.34	12417	-3484	11148	-2185	1610	-2847	50.6	39.4	26	3430
2024-03-09 2:41	2024-03-08 20:41	4.96	5.8 Light B - Tuzyk	4.96	21.34	13443	-6094	11217	-2245	1795	-2643	49.9	40.1	8	3749
2024-03-09 2:42	2024-03-08 20:42	4.96	5.8 Light B - Tuzyk	4.96	21.5	12876	-3109	11794	-2376	1767	-2485	50.3	39.7	47	1436
2024-03-09 2:42	2024-03-08 20:42	4.96	5.4 Light B - Tuzyk	4.96	21.5	13231	-6622	12324	-2382	1890	-2361	46.7	43.3	26	4436
2024-03-09 2:42	2024-03-08 20:42	4.96	5.4 Light B - Tuzyk	4.96	21.5	12425	-3888	10824	-2385	1900	-2349	51.1	38.9	42	912
2024-03-09 2:42	2024-03-08 20:42	4.96	5.4 Light B - Tuzyk	4.96	21.5	13409	-4007	9817	-2449	1880	-2275	55.6	34.4	33	1358
2024-03-09 2:42	2024-03-08 20:42	4.96	5.4 Light B - Tuzyk	4.96	21.52	12297	-3724	10287	-2559	1754	-2245	52.3	37.7	43	2639
2024-03-09 2:42	2024-03-08 20:42	4.96	5.4 Light B - Tuzyk	4.96	21.52	13754	-2199	9133	-2829	1504	-2032	59.8	30.2	50	947
2024-03-09 2:42	2024-03-08 20:42	4.96	5.4 Light B - Tuzyk	4.96	21.52	13174	-3932	9789	-2889	1476	-1952	55.2	34.8	44	1976
2024-03-09 2:42	2024-03-08 20:42	4.96	5.4 Light B - Tuzyk	4.96	21.52	12758	-3856	11480	-2995	1252	-1961	50.2	39.8	66	3057
2024-03-09 2:42	2024-03-08 20:42	4.96	5.4 Light B - Tuzyk	4.96	21.42	13973	-2594	9227	-3206	1011	-1696	59.6	30.4	57	1967
2024-03-09 2:42	2024-03-08 20:42	4.96	5.4 Light B - Tuzyk	4.96	21.42	13211	-3173	11233	-3298	654	-1767	52.3	37.7	99	1399
2024-03-09 2:42	2024-03-08 20:42	4.96	5.1 Light B - Tuzyk	4.96	21.42	13624	-2237	11449	-3271	601	-1885	53.2	36.8	77	3198
2024-03-09 2:42	2024-03-08 20:42	4.96	5.1 Light B - Tuzyk	4.96	21.27	12612	-3593	11619	-3333	412	-1817	49.8	40.2	226	772
2024-03-09 2:42	2024-03-08 20:42	4.96	5.1 Light B - Tuzyk	4.96	21.27	12799	-4098	11513	-3324	371	-1877	50	40	251	1151
2024-03-09 2:42	2024-03-08 20:42	4.96	5.1 Light B - Tuzyk	4.96	21.27	12564	-2200	10144	-3213	-233	-2195	54.5	35.5	292	4086
2024-03-09 2:42	2024-03-08 20:42	4.96	5.1 Light B - Tuzyk	4.96	21.06	10457	-8096	12677	-3233	-116	-2169	37.8	52.2	254	21147
2024-03-09 2:59	2024-03-08 20:59	4.96	10.6 Light A - Dixie	4.96	21.51	15987	-5314	4259	-3584	599	-131	69.7	20.3	224	2296
2024-03-09 2:59	2024-03-08 20:59	4.97	10.6 Light A - Dixie	4.97	21.51	16534	-3366	1465	-3672	185	-205	79	11	270	2163
2024-03-09 2:59	2024-03-08 20:59	4.96	10.6 Light A - Dixie	4.96	21.51	14636	-5011	3481	-3673	190	-471	70.2	19.8	265	2750
2024-03-09 2:59	2024-03-08 20:59	4.96	10.6 Light A - Dixie	4.96	21.4	15481	-5428	4555	-3673	198	-519	68.4	21.6	263	1522
2024-03-09 2:59	2024-03-08 20:59	4.96	10.6 Light A - Dixie	4.96	21.4	16824	-4135	2322	-3695	-88	-567	75.9	14.1	271	1860
2024-03-09 2:59	2024-03-08 20:59	4.96	10.6 Light A - Dixie	4.96	21.4	16988	-3351	2845	-3695	-221	-637	77.7	12.3	272	4074
2024-03-09 2:59	2024-03-08 20:59	4.96	10.6 Light A - Dixie	4.96	21.4	15485	-6004	3801	-3684	-146	-862	67.9	22.1	269	1117
2024-03-09 2:59	2024-03-08 20:59	4.96	10.6 Light A - Dixie	4.96	21.3	16651	-1469	-1383	-3638	-169	-1136	80.5	9.5	243	2184
2024-03-09 3:00	2024-03-08 21:00	4.96	10.6 Light A - Dixie	4.96	21.3	16252	-3634	2338	-3529	-24	-1565	77.5	12.5	277	1391
2024-03-09 3:00	2024-03-08 21:00	4.96	10.6 Light A - Dixie	4.96	21.3	15128	-4125	3320	-3455	106	-1774	73.7	16.3	282	1409
2024-03-09 3:00	2024-03-08 21:00	4.96	10.6 Light A - Dixie	4.96	21.23	14989	-177	2886	-3348	454	-1901	83.3	6.7	28	2157
2024-03-09 3:00	2024-03-08 21:00	4.96	10.6 Light A - Dixie	4.96	21.23	16113	-3914	2204	-3203	779	-2067	76.6	13.4	290	1831
2024-03-09 3:00	2024-03-08 21:00	4.96	10.3 Light A - Dixie	4.96	21.23	16310	-3150	2756	-3179	1061	-1919	78.4	11.6	307	1504
2024-03-09 3:00	2024-03-08 21:00	4.96	10.3 Light A - Dixie	4.96	21.29	16563	-2947	4226	-3172	870	-2059	75.9	14.1	324	2162
2024-03-09 3:00	2024-03-08 21:00	4.96	10.3 Light A - Dixie	4.96	21.29	15888	-3323	4797	-3151	1006	-2009	73.4	16.6	329	1357
2024-03-09 3:00	2024-03-08 21:00	4.96	10.3 Light A - Dixie	4.96	21.29	16672	-5199	5254	-3214	1048	-1840	68.6	21.4	308	3374
2024-03-09 3:00	2024-03-08 21:00	4.96	10.3 Light A - Dixie	4.96	21.29	15826	-610	3825	-3220	1009	-1845	80.3	9.7	34	2076
2024-03-09 3:00	2024-03-08 21:00	4.96	10.3 Light A - Dixie	4.96	21.39	16540	145	4859	-3251	997	-1764	77.2	12.8	56	2790
2024-03-09 3:00	2024-03-08 21:00	4.96	10.3 Light A - Dixie	4.96	21.39	17073	-108	3098	-3264	1117	-1601	83.1	6.9	54	2520
2024-03-09 3:00	2024-03-08 21:00	4.96	10.3 Light A - Dixie	4.96	21.39	15687	-3036	3729	-3283	1375	-1100	76.4	13.6	355	2224
2024-03-09 3:00	2024-03-08 21:00	4.96	10.3 Light A - Dixie	4.96	21.39	15215	-2250	3843	-3326	1355	-912	77.6	12.4	32	3130
2024-03-09 3:00	2024-03-08 21:00	4.96	9.9 Light A - Dixie	4.96	21.5	16736	-617	4500	-3401	1191	-760	78.3	11.7	72	1494
2024-03-09 3:00	2024-03-08 21:00	4.96	9.9 Light A - Dixie	4.96	21.5	17004	-326	2982	-3481	1012	-438	83.5	6.5	77	2588
2024-03-09 3:00	2024-03-08 21:00	4.96	9.9 Light A - Dixie	4.96	21.5	16058	-1896	3435	-3496	955	-317	80	10	62	1964
2024-03-09 3:00	2024-03-08 21:00	4.96	9.9 Light A - Dixie	4.96	21.5	15006	-3502	4022	-3481	992	-265	74	16	63	2615
2024-03-09 3:00	2024-03-08 21:00	4.96	9.9 Light A - Dixie	4.96	21.52	15757	-2302	4700	-3560	744	-269	75.5	14.5	81	1437
2024-03-09 3:00	2024-03-08 21:00	4.96	9.9 Light A - Dixie	4.96	21.52	16649	-216	2974	-3605	574	-343	83.5	6.5	79	776
2024-03-09 3:00	2024-03-08 21:00	4.96	9.9 Light A - Dixie	4.96	21.52	15332	-2316	4033	-3606	594	-373	77	13	58	861
2024-03-09 3:00	2024-03-08 21:00	4.96	9.9 Light A - Dixie	4.96	21.52	15849	-4221	4696	-3600	588	-319	71.6	18.4	245	1904
2024-03-09 3:00	2024-03-08 21:00	4.96	9.9 Light A - Dixie	4.96	21.45	15432	-3952	5170	-3642	408	-359	70.7	19.3	244	1792
2024-03-09 3:00	2024-03-08 21:00	4.96	9.9 Light A - Dixie	4.96	21.45	16351	-4038	5870	-3668	194	-523	69.8	20.2	259	1965
2024-03-09 3:00	2024-03-08 21:00	4.96	9.9 Light A - Dixie	4.96	21.45	15576	-440	5882	-3694	-72	-673	73.3	16.7	309	2304
2024-03-09 3:00	2024-03-08 21:00	4.96	9.9 Light A - Dixie	4.96	21.45	1696	4622	18694	-9667	4522	370	6.1	83.9	79	1498
2024-03-09 3:00	2024-03-08 21:00	4.96	9.6 Light A - Dixie	4.96	21.34	15639	-3514	5172	-3661	133	-806	71.9	18.1	273	2373
2024-03-09 3:00	2024-03-08 21:00	4.96	9.6 Light A - Dixie	4.96	21.34	15301	-4037	3504	-3662	128	-850	73.8	16.2	274	1970
2024-03-09 3:00	2024-03-08 21:00	4.96	9.6 Light A - Dixie	4.96	21.34	15637	-3961	5462	-3634	48	-1092	70.2	19.8	276	1144
2024-03-09 3:00	2024-03-08 21:00	4.96	9.6 Light A - Dixie	4.96	21.25	14776	-3788	4539	-3643	-31	-1083	71.8	18.2	276	2432
2024-03-09 3:00	2024-03-08 21:00	4.96	9.6 Light A - Dixie	4.96	21.25	16661	-3460	1138	-3567	124	-1382	78.7	11.3	273	4392
2024-03-09 3:00	2024-03-08 21:00	4.96	9.6 Light A - Dixie	4.96	21.25	15659	-5428	5616	-3512	208	-1573	66.7	23.3	280	1686
2024-03-09 3:00	2024-03-08 21:00	4.96	9.6 Light A - Dixie	4.96	21.16	15117	-4520	5959	-3463	176	-1720	67.3	22.7	286	1997
2024-03-09 3:00	2024-03-08 21:00	4.96	9.6 Light A - Dixie	4.96	21.16	15518	-5004	5300	-3465	76	-1761	68.1	21.9	282	1503
2024-03-09 3:00	2024-03-08 21:00	4.96	9.6 Light A - Dixie	4.96	21.16	15809	-4578	5677	-3399	-38	-1928	68.7	21.3	286	1721
2024-03-09 3:00	2024-03-08 21:00	4.96	9.6 Light A - Dixie	4.96	21.14	15490	-4715	4653	-3406	4	-1901	70	20	284	2025
2024-03-09 3:00	2024-03-08 21:00	4.96	9.6 Light A - Dixie	4.96	21.14	16718	-4480	6185	-3365	161	-1967	68.3	21.7	292	4178
2024-03-09 3:00	2024-03-08 21:00	4.96	9.6 Light A - Dixie	4.96	21.14	14735	-3488	5821	-3318	145	-2048	69.2	20.8	300	3036
2024-03-09 3:00	2024-03-08 21:00	4.96	9.6 Light A - Dixie	4.96	21.16	15639	-3429	4116	-3200	641	-2145	74			

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2024-03-09 3:01	2024-03-08 21:01	8.7	Light A - Dixie	4.96	21.29	14393	-1707	8252	-2726	1094	-2654	63.8	26.2	23	1470
2024-03-09 3:01	2024-03-08 21:01	8.7	Light A - Dixie	4.96	21.29	15274	-3130	8394	-2769	1426	-2369	63.5	26.5	19	2364
2024-03-09 3:01	2024-03-08 21:01	8.7	Light A - Dixie	4.96	21.29	14950	-1794	7032	-2768	1552	-2292	68.2	21.8	33	2273
2024-03-09 3:01	2024-03-08 21:01	8.7	Light A - Dixie	4.96	21.29	14545	-3822	9603	-2790	1609	-2160	58.4	31.6	33	3323
2024-03-09 3:01	2024-03-08 21:01	8.7	Light A - Dixie	4.96	21.4	14523	-2405	10128	-2952	1406	-2064	58.2	31.8	53	2767
2024-03-09 3:01	2024-03-08 21:01	8.7	Light A - Dixie	4.96	21.4	15650	-3710	6269	-3035	1616	-1608	68.8	21.2	19	2397
2024-03-09 3:01	2024-03-08 21:01	8.7	Light A - Dixie	4.96	21.4	14742	-1484	8605	-3153	1388	-1608	63.4	26.6	65	1206
2024-03-09 3:01	2024-03-08 21:01	8.3	Light A - Dixie	4.96	21.4	13498	-2726	9913	-3210	1266	-1615	56.7	33.3	73	2008
2024-03-09 3:01	2024-03-08 21:01	8.3	Light A - Dixie	4.96	21.47	13847	-981	10005	-3292	1061	-1580	58	32	80	1400
2024-03-09 3:01	2024-03-08 21:01	8.3	Light A - Dixie	4.96	21.47	15223	-3731	6638	-3433	833	-1356	67.3	22.7	338	1169
2024-03-09 3:01	2024-03-08 21:01	8.3	Light A - Dixie	4.96	21.47	13827	-2773	8296	-3502	658	-1261	61.8	28.2	79	1737
2024-03-09 3:01	2024-03-08 21:01	8.3	Light A - Dixie	4.96	21.39	15394	-1916	8024	-3555	477	-1222	65.8	24.2	64	3506
2024-03-09 3:01	2024-03-08 21:01	8.3	Light A - Dixie	4.96	21.39	13874	-5503	8987	-3556	542	-1161	56.4	33.6	240	2483
2024-03-09 3:01	2024-03-08 21:01	8.3	Light A - Dixie	4.96	21.39	14177	-2923	7747	-3580	288	-1240	63.8	26.2	275	2743
2024-03-09 3:01	2024-03-08 21:01	8.3	Light A - Dixie	4.96	21.39	14236	-4412	9352	-3543	295	-1413	57.8	32.2	259	1923
2024-03-09 3:01	2024-03-08 21:01	8.3	Light A - Dixie	4.96	21.29	14507	-2866	8114	-3552	27	-1476	63.4	26.6	280	1723
2024-03-09 3:01	2024-03-08 21:01	8	Light A - Dixie	4.96	21.29	14666	-3150	9417	-3508	-10	-1651	59.8	30.2	277	1174
2024-03-09 3:01	2024-03-08 21:01	8	Light A - Dixie	4.96	21.29	14849	-5022	7493	-3471	98	-1721	62.4	27.6	280	2811
2024-03-09 3:01	2024-03-08 21:01	8	Light A - Dixie	4.96	21.15	15138	-5639	6413	-3486	65	-1692	63.9	26.1	278	1956
2024-03-09 3:01	2024-03-08 21:01	8	Light A - Dixie	4.96	21.15	14708	-2224	8916	-3394	-96	-1955	62	28	303	3178
2024-03-09 3:01	2024-03-08 21:01	8	Light A - Dixie	4.96	21.15	13610	-2742	10055	-3220	-283	-2302	56.5	33.5	295	2473
2024-03-09 3:01	2024-03-08 21:01	8	Light A - Dixie	4.96	21.1	13765	-3273	10648	-3167	-304	-2378	54.8	35.2	291	3710
2024-03-09 3:01	2024-03-08 21:01	8	Light A - Dixie	4.96	21.1	15419	-4954	8685	-3119	-245	-2455	60.6	29.4	292	1542
2024-03-09 3:01	2024-03-08 21:01	8	Light A - Dixie	4.96	21.1	15422	-2573	8949	-3010	-123	-2630	62.7	27.3	320	1191
2024-03-09 3:01	2024-03-08 21:01	8	Light A - Dixie	4.96	21.1	15134	-3490	6834	-3012	83	-2629	67	23	311	1979
2024-03-09 3:01	2024-03-08 21:01	8	Light A - Dixie	4.96	21.1	15429	-3704	6358	-3009	366	-2583	68.3	21.7	314	1627
2024-03-09 3:01	2024-03-08 21:01	8	Light A - Dixie	4.96	21.1	15516	-3966	4855	-2916	703	-2606	71.5	18.5	312	1087
2024-03-09 3:01	2024-03-08 21:01	8	Light A - Dixie	4.96	21.15	15499	-3842	6704	-2879	616	-2688	67.3	22.7	323	2082
2024-03-09 3:01	2024-03-08 21:01	8	Light A - Dixie	4.96	21.15	14894	-2629	8227	-2701	908	-2807	63.9	26.1	360	1889
2024-03-09 3:01	2024-03-08 21:01	7.7	Light A - Dixie	4.96	21.15	15305	-5074	9343	-2583	1180	-2820	58.8	31.2	342	1338
2024-03-09 3:01	2024-03-08 21:01	7.7	Light A - Dixie	4.96	21.2	14311	-4236	6647	-2540	1601	-2576	65	25	350	1697
2024-03-09 3:01	2024-03-08 21:01	7.7	Light A - Dixie	4.96	21.2	15744	-3228	7834	-2655	1285	-2640	65.5	24.5	3	1945
2024-03-09 3:01	2024-03-08 21:01	7.7	Light A - Dixie	4.96	21.2	13977	-3444	8120	-2491	1619	-2621	61.8	28.2	12	2035
2024-03-09 3:01	2024-03-08 21:01	7.7	Light A - Dixie	4.96	21.29	13972	-6468	9134	-2485	1909	-2347	54.7	35.3	358	2430
2024-03-09 3:01	2024-03-08 21:01	7.7	Light A - Dixie	4.96	21.29	14690	-5013	7643	-2508	2039	-2151	61.8	28.2	10	1421
2024-03-09 3:01	2024-03-08 21:01	7.7	Light A - Dixie	4.96	21.29	14361	-2242	8538	-2622	1920	-2104	62.5	27.5	46	1183
2024-03-09 3:01	2024-03-08 21:01	7.7	Light A - Dixie	4.96	21.29	14667	-2193	8777	-2883	1582	-2021	62.3	27.7	48	2320
2024-03-09 3:01	2024-03-08 21:01	7.4	Light A - Dixie	4.96	21.42	16080	-2010	7108	-2954	1675	-1745	69.2	20.8	47	3208
2024-03-09 3:01	2024-03-08 21:01	7.4	Light A - Dixie	4.96	21.42	14182	-1347	7633	-3136	1347	-1715	65.6	24.4	58	1234
2024-03-09 3:01	2024-03-08 21:01	7.4	Light A - Dixie	4.96	21.42	13760	-2115	9312	-3195	1422	-1399	59.3	30.7	75	1098
2024-03-09 3:01	2024-03-08 21:01	7.4	Light A - Dixie	4.96	21.42	13709	-3309	9336	-3211	1402	-1392	58.1	31.9	73	1592
2024-03-09 3:01	2024-03-08 21:01	7.4	Light A - Dixie	4.96	21.47	15193	-5017	7100	-3277	1440	-1008	63.8	26.2	49	2012
2024-03-09 3:01	2024-03-08 21:01	7.4	Light A - Dixie	4.96	21.47	12612	-6558	9099	-3087	1538	-1597	51.9	38.1	22	984
2024-03-09 3:01	2024-03-08 21:01	7.4	Light A - Dixie	4.96	21.47	12436	-5271	11084	-3162	1162	-1861	49	41	76	2916
2024-03-09 3:01	2024-03-08 21:01	7.4	Light A - Dixie	4.96	21.47	10838	-1911	11410	-3292	635	-1951	47.1	42.9	112	1370
2024-03-09 3:01	2024-03-08 21:01	7.4	Light A - Dixie	4.96	21.35	12669	-6020	10659	-3361	742	-1704	49.5	40.5	244	3092
2024-03-09 3:01	2024-03-08 21:01	7	Light A - Dixie	4.96	21.35	12807	-5767	10448	-3377	663	-1724	50.6	39.4	251	1619
2024-03-09 3:01	2024-03-08 21:01	7	Light A - Dixie	4.96	21.35	12383	-5273	10708	-3346	412	-1944	49.7	40.3	261	2063
2024-03-09 3:01	2024-03-08 21:01	7	Light A - Dixie	4.96	21.2	13940	-3817	10020	-3344	83	-2038	56.3	33.7	285	1086
2024-03-09 3:01	2024-03-08 21:01	7	Light A - Dixie	4.96	21.2	13688	-1659	8319	-3265	-115	-2225	62.5	27.5	321	1739
2024-03-09 3:01	2024-03-08 21:01	7	Light A - Dixie	4.96	21.2	12514	-4791	11321	-3110	67	-2472	49.2	40.8	282	1003
2024-03-09 3:01	2024-03-08 21:01	7	Light A - Dixie	4.96	21.11	12577	-4038	9741	-2927	96	-2717	54	36	304	1015
2024-03-09 3:01	2024-03-08 21:01	7	Light A - Dixie	4.96	21.11	12862	-4159	10479	-2798	173	-2887	52.6	37.4	310	2473
2024-03-09 3:01	2024-03-08 21:01	7	Light A - Dixie	4.96	21.11	12115	-4042	10410	-2684	265	-3002	51.3	38.7	315	2909
2024-03-09 3:02	2024-03-08 21:02	7	Light A - Dixie	4.96	21.05	13535	-5226	9936	-2460	475	-3200	54	36	317	1447
2024-03-09 3:02	2024-03-08 21:02	7	Light A - Dixie	4.96	20.99	13462	-3123	10779	-2302	390	-3352	54	36	342	1260
2024-03-09 3:02	2024-03-08 21:02	7	Light A - Dixie	4.96	20.99	13715	-2729	10459	-2207	762	-3349	55.6	34.4	0	2078
2024-03-09 3:02	2024-03-08 21:02	7	Light A - Dixie	4.96	20.99	13186	-4464	10367	-2099	1123	-3323	53.2	36.8	351	2040
2024-03-09 3:02	2024-03-08 21:02	6.7	Light A - Dixie	4.96	20.93	13366	-5225	9863	-2050	1483	-3197	53.8	36.2	351	1198
2024-03-09 3:02	2024-03-08 21:02	6.7	Light A - Dixie	4.96	20.93	12539	-5685	11945	-2041	1568	-3161	46.9	43.1	360	2295
2024-03-09 3:02	2024-03-08 21:02	6.7	Light A - Dixie	4.96	20.95	12272	-2572	10102	-2000	1506	-3212	53.8	36.2	22	5713
2024-03-09 3:02	2024-03-08 21:02	6.7	Light A - Dixie	4.96	20.95	11962	-4687	12765	-1961	1573	-3220	44.8	45.2	16	1776
2024-03-09 3:02	2024-03-08 21:02	6.7	Light A - Dixie	4.96	20.95	11983	-4090	13373	-2026	1731	-3052	44	46	31	1955
2024-03-09 3:02	2024-03-08 21:02	6.7	Light A - Dixie	4.96	20.95	12149	-3989	10805	-2129	1851	-2854	50.4	39.6	25	1794
2024-03-09 3:02	2024-03-08 21:02	6.7	Light A - Dixie	4.96	21.2	11218	-5658	13045	-2154	1967	-2720	41.6	48.4	35	1896
2024-03-09 3:02	2024-03-08 21:02	6.7	Light A - Dixie	4.96	21.2	11679	-5088	13679	-2454	1937	-2369	41.9	48.1	60	3286
2024-03-09 3:02	2024-03-08 21:02	6.4	Light A - Dixie	4.96	21.2	12584	-4585	12071	-2487	1801	-2468	47.8	42.2	42	2060
2024-03-09 3:02	2024-03-08 21:02	6.4	Light A - Dixie	4.96	21.36	12198	-2693	11490	-2644	1696	-2335	49.8	40.2	58	2052
2024-03-09 3:02	2024-03-08 21:02	6.4	Light A - Dixie	4.96	21.36	11675	-4035	12714	-2774	1577	-2213	44.7	45.3	70	2569
2024-03-09 3:02	2024-03-08 21:02	6.4	Light A - Dixie	4.96	21.36	11204	-3669	12565	-2922	1352	-2183	44.2	45.8	81	3199
2024-03-09 3:02	2024-03-08 21:02	6.4	Light A - Dixie	4.96	21.32	11073	-4393	12599	-2964	1178	-2225	43.2	46.8	86	3306
2024-03-09 3:02	2024-03-08 21:02	6.4	Light A - Dixie	4.96	21.32	9917	-2231	11199	-2944						

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2024-03-09 3:02	2024-03-08 21:02	5.4	Light A - Dixie	4.96	21.18	9551	-2011	15215	-2778	688	-2795	34.9	55.1	106	2795
2024-03-09 3:02	2024-03-08 21:02	5.4	Light A - Dixie	4.96	21.28	10062	-438	13444	-2975	509	-2586	40.2	49.8	97	2150
2024-03-09 3:02	2024-03-08 21:02	5.4	Light A - Dixie	4.96	21.28	12052	482	13735	-3146	132	-2413	44.5	45.5	96	1603
2024-03-09 3:02	2024-03-08 21:02	5.4	Light A - Dixie	4.96	21.28	11132	-684	14106	-3091	97	-2498	41.5	48.5	130	1976
2024-03-09 3:02	2024-03-08 21:02	5.4	Light A - Dixie	4.96	21.23	11628	-3073	13336	-3052	-115	-2572	43.8	46.2	273	2650
2024-03-09 3:02	2024-03-08 21:02	5.4	Light A - Dixie	4.96	21.23	10713	-2303	13049	-2873	-372	-2791	42.5	47.5	284	2704
2024-03-09 3:02	2024-03-08 21:02	5.1	Light A - Dixie	4.96	21.23	10700	-1772	14800	-2775	-635	-2863	38.9	51.1	277	4420
2024-03-09 3:02	2024-03-08 21:02	5.1	Light A - Dixie	4.96	21.12	8342	-772	16949	-2244	-761	-3317	28.7	61.3	269	4059
2024-03-09 3:02	2024-03-08 21:02	5.1	Light A - Dixie	4.96	21.12	12308	-501	11423	-2480	-751	-3126	50.9	39.1	329	2462
2024-03-09 3:02	2024-03-08 21:02	5.1	Light A - Dixie	4.96	21.02	11812	-1230	11297	-2428	-619	-3214	50	40	324	1486
2024-03-09 3:02	2024-03-08 21:02	5.1	Light A - Dixie	4.96	21.02	11704	-1599	12613	-2193	-473	-3439	46.3	43.7	325	3006
2024-03-09 3:02	2024-03-08 21:02	5.1	Light A - Dixie	4.96	21.02	11225	-389	12430	-2076	-220	-3537	45.7	44.3	355	1795
2024-03-09 3:02	2024-03-08 21:02	5.1	Light A - Dixie	4.96	20.9	12011	-1108	12702	-2020	-162	-3582	46.9	43.1	348	2955
2024-03-09 3:02	2024-03-08 21:02	5.1	Light A - Dixie	4.96	20.9	12067	-3566	12906	-1734	667	-3704	45.6	44.4	354	1094
2024-03-09 3:02	2024-03-08 21:02	5.1	Light A - Dixie	4.96	20.77	9803	-3857	12253	-1423	858	-3825	41	49	356	2529
2024-03-09 3:02	2024-03-08 21:02	4.8	Light A - Dixie	4.96	20.77	9790	-4007	13241	-1248	1150	-3816	38.7	51.3	9	1927
2024-03-09 3:03	2024-03-08 21:03	4.8	Light A - Dixie	4.96	20.37	10794	-3390	14146	-1374	1220	-3739	39.9	50.1	20	1283
2024-03-09 3:03	2024-03-08 21:03	4.8	Light A - Dixie	4.96	20.5	10444	-3448	12620	-1461	1308	-3663	42.2	47.8	18	3060
2024-03-09 3:03	2024-03-08 21:03	4.8	Light A - Dixie	4.96	20.5	9764	-3388	13628	-1492	1465	-3586	38.2	51.8	29	1563
2024-03-09 3:03	2024-03-08 21:03	4.8	Light A - Dixie	4.96	20.5	10611	-2360	14147	-1555	1615	-3468	39.8	50.2	42	1797
2024-03-09 3:03	2024-03-08 21:03	4.8	Light A - Dixie	4.96	21.12	11295	-2611	13197	-1839	1574	-3315	43.5	46.5	38	3069
2024-03-09 3:03	2024-03-08 21:03	4.8	Light A - Dixie	4.96	21.12	10915	-878	13855	-2012	1508	-3214	41.5	48.5	55	2991
2024-03-09 3:03	2024-03-08 21:03	4.8	Light A - Dixie	4.96	21.12	8867	-1827	15020	-1906	1667	-3195	33.4	56.6	65	1395
2024-03-09 3:03	2024-03-08 21:03	4.8	Light A - Dixie	4.96	21.12	9092	-1250	13674	-2117	1516	-3109	36.8	53.2	64	3072
2024-03-09 3:03	2024-03-08 21:03	4.8	Light A - Dixie	4.96	21.29	9290	-688	13563	-2521	947	-2991	37.7	52.3	72	3654
2024-03-09 3:03	2024-03-08 21:03	4.8	Light A - Dixie	4.96	21.29	8294	-1736	18376	-2483	1261	-2879	27.2	62.8	103	11807
2024-03-09 3:03	2024-03-08 21:03	4.8	Light A - Dixie	4.96	21.29	8610	-5827	12570	-2824	1059	-2577	35.1	54.9	228	14792
2024-03-09 3:03	2024-03-08 21:03	4.8	Light A - Dixie	4.96	21.18	11027	-2925	15177	-2896	1217	-2369	38.6	51.4	97	10800
2024-04-07 3:07	2024-04-06 22:07	18.3	Light C - Tote	4.97	21.54	2789	-165	19359	-729	1523	-3759	10.1	79.9	82	3933
2024-04-07 3:07	2024-04-06 22:07	18.3	Light C - Tote	4.96	21.54	3859	-2183	17362	-1478	1655	-3408	14.1	75.9	97	3726
2024-04-07 3:07	2024-04-06 22:07	18.3	Light C - Tote	4.97	21.54	5373	-1042	16019	-1210	1615	-3561	20.7	69.3	74	1710
2024-04-07 3:07	2024-04-06 22:07	18.3	Light C - Tote	4.97	21.54	6625	-2039	17402	-748	1476	-3791	23	67	51	3214
2024-04-07 3:07	2024-04-06 22:07	18.3	Light C - Tote	4.97	21.54	4922	1244	16190	-445	1222	-3948	18.8	71.2	61	2000
2024-04-07 3:07	2024-04-06 22:07	18.3	Light C - Tote	4.97	21.86	4329	465	17073	-237	1377	-3943	16	74	60	4077
2024-04-07 3:07	2024-04-06 22:07	18.3	Light C - Tote	4.97	21.86	4215	-1735	16195	-62	1232	-3995	16.4	73.6	40	1220
2024-04-07 3:07	2024-04-06 22:07	18	Light C - Tote	4.97	21.86	5501	-356	17354	0	937	-4055	19.6	70.4	37	2311
2024-04-07 3:07	2024-04-06 22:07	18	Light C - Tote	4.97	21.86	4448	-613	16767	33	692	-4082	16.7	73.3	31	3603
2024-04-07 3:07	2024-04-06 22:07	18	Light C - Tote	4.96	21.86	6400	818	16173	-94	152	-4090	23.9	66.1	20	3946
2024-04-07 3:07	2024-04-06 22:07	18	Light C - Tote	4.96	21.86	8121	-1455	15119	-354	-243	-4045	31	59	348	3148
2024-04-07 3:07	2024-04-06 22:07	18	Light C - Tote	4.97	21.86	2614	-1857	16516	-520	-616	-3935	10.3	79.7	298	2559
2024-04-07 3:07	2024-04-06 22:07	18	Light C - Tote	4.96	21.86	4454	289	15568	-1031	-707	-3801	18	72	314	2308
2024-04-07 3:07	2024-04-06 22:07	18	Light C - Tote	4.96	22.32	4992	197	17007	-1459	-847	-3619	18.3	71.7	272	2782
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	22.32	2285	2130	17843	-1829	-520	-3544	8.3	81.7	170	2754
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.96	22.32	7721	-1429	14504	-2160	47	-3374	30.9	59.1	331	1399
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	22.32	7071	638	15851	-2465	395	-3083	26.5	63.5	112	1448
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.96	22.32	8986	234	14352	-2554	713	-2928	35.1	54.9	85	1711
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.69	7898	485	15908	-2096	1008	-3257	29	61	83	2504
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.69	7693	-570	16590	-1784	1205	-3425	27.4	62.6	76	951
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.69	5308	-894	16219	-1228	1377	-3663	20.3	69.7	74	1979
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.96	21.69	5263	-1478	16863	-867	1120	-3874	19.3	70.7	57	1731
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.5	7623	353	13589	-698	808	-3991	32.4	57.6	37	1358
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.5	5974	-788	14222	-676	146	-4031	25.5	64.5	9	1051
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.5	6823	366	15171	-945	-454	-3894	26.8	63.2	353	3185
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.5	8247	2734	15409	-1232	-933	-3683	30.3	59.7	358	2231
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.54	6027	-998	16580	-1617	-902	-3534	22.2	67.8	278	1878
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.96	21.54	6547	1259	14507	-1922	-783	-3410	26.8	63.2	303	1618
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.54	6234	-773	15868	-2147	-464	-3337	23.8	66.2	239	2448
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.96	21.54	8766	969	15154	-2767	-244	-2781	32.8	57.2	145	1092
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.32	7501	152	17524	-2674	152	-2890	25.5	64.5	146	960
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.32	9286	-250	18405	-2438	571	-3077	30	60	96	2196
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.32	9105	2640	17132	-1995	905	-3368	30.1	59.9	81	3303
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.32	6173	-502	15394	-1419	1193	-3641	24.3	65.7	71	2315
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.5	5437	1088	17378	-748	1136	-3906	19.3	70.7	66	1416
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.96	21.5	1545	3586	18696	12440	4556	422	5.7	84.3	102	1852
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.5	6960	-908	17678	-883	914	-3912	23.7	66.3	47	4005
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.5	11420	-1738	13523	-1093	-136	-3902	43.4	46.6	348	2035
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.57	8838	536	15781	-1357	-638	-3721	32	58	343	1773
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.57	8474	-2475	16583	-1893	-784	-3417	29.5	60.5	285	1242
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.57	6019	-1018	16784	-2332	-649	-3151	21.9	68.1	233	2142
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.96	21.16	8565	-1294	15567	-2648	-70	-2932	31.6	58.4	213	1187
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.97	21.16	10417	1607	13952	-2690	366	-2845	39.7	50.3	80	2909
2024-04-07 3:08	2024-04-06 22:08	18	Light C - Tote	4.96	21.16	8299	-1829	13754	-2521	975	-2862	34.1	55.9	85	

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2024-04-07 3:08	2024-04-06 22:08	17.7	Light C - Tote	4.96	21.42	11619	2048	11339	-1803	34	-3613	48.7	41.3	34	2496
2024-04-07 3:08	2024-04-06 22:08	17.7	Light C - Tote	4.97	21.45	11200	-182	12302	-2183	-577	-3278	46	44	340	2411
2024-04-07 3:08	2024-04-06 22:08	17.7	Light C - Tote	4.96	21.45	11302	1126	12203	-2694	-1065	-2633	46.2	43.8	313	1310
2024-04-07 3:08	2024-04-06 22:08	17.7	Light C - Tote	4.97	21.45	14846	-1271	11098	-3389	-798	-1602	56.7	33.3	272	3433
2024-04-07 3:08	2024-04-06 22:08	17.7	Light C - Tote	4.97	21.45	16449	-774	4218	-3619	-24	-243	79.2	10.8	271	2239
2024-04-07 3:09	2024-04-06 22:09	17.7	Light C - Tote	4.97	21.25	15159	1190	6783	-3437	758	-1038	69.3	20.7	83	950
2024-04-07 3:09	2024-04-06 22:09	17.4	Light C - Tote	4.96	21.25	15701	-262	5705	-3148	912	-1876	74	16	48	2017
2024-04-07 3:09	2024-04-06 22:09	17.4	Light C - Tote	4.97	21.25	14000	2774	6896	-2894	534	-2547	65.4	24.6	65	958
2024-04-07 3:09	2024-04-06 22:09	17.4	Light C - Tote	4.97	21.25	15209	-1469	8387	-2826	154	-2705	64.7	25.3	351	1206
2024-04-07 3:09	2024-04-06 22:09	17.4	Light C - Tote	4.97	21.64	15322	-166	7517	-3091	-851	-2179	67.8	22.2	324	1895
2024-04-07 3:09	2024-04-06 22:09	17.4	Light C - Tote	4.96	21.64	13033	-705	10925	-3240	-880	-1897	53.8	36.2	278	1808
2024-04-07 3:09	2024-04-06 22:09	17.4	Light C - Tote	4.97	21.64	13200	-2206	11685	-3178	-520	-2159	51.7	38.3	280	1361
2024-04-07 3:09	2024-04-06 22:09	17.4	Light C - Tote	4.96	21.64	11708	953	12861	-3269	-205	-2025	45.6	44.4	141	1694
2024-04-07 3:09	2024-04-06 22:09	17.4	Light C - Tote	4.97	21.34	12568	-3034	14480	-3145	407	-2178	43.6	46.4	175	3376
2024-04-07 3:09	2024-04-06 22:09	17.4	Light C - Tote	4.96	21.34	11221	1454	13276	-2833	724	-2580	43.3	46.7	82	598
2024-04-07 3:09	2024-04-06 22:09	17.4	Light C - Tote	4.97	21.34	12560	-1785	14951	-2329	1127	-2988	43	47	49	1381
2024-04-07 3:09	2024-04-06 22:09	17.4	Light C - Tote	4.97	21.34	11131	893	12360	-2055	646	-3389	45.5	44.5	47	4086
2024-04-07 3:09	2024-04-06 22:09	17.4	Light C - Tote	4.97	21.52	11914	-118	11332	-2001	28	-3486	50.3	39.7	10	3249
2024-04-07 3:09	2024-04-06 22:09	17.4	Light C - Tote	4.97	21.52	11208	-1216	13485	-2259	-810	-3157	43.1	46.9	312	1785
2024-04-07 3:09	2024-04-06 22:09	17.4	Light C - Tote	4.97	21.52	11604	1937	10594	-2759	-964	-2603	50.8	39.2	351	1875
2024-04-07 3:09	2024-04-06 22:09	17.4	Light C - Tote	4.96	21.11	12967	-1624	14017	-3096	-411	-2300	45.9	44.1	269	3901
2024-04-07 3:09	2024-04-06 22:09	17.4	Light C - Tote	4.97	21.11	9404	136	14465	-3095	314	-2293	36.1	53.9	130	4226
2024-04-07 3:09	2024-04-06 22:09	17.4	Light C - Tote	4.97	21.11	12199	3164	12487	-2716	1032	-2573	46.5	43.5	79	2287
2024-04-07 3:09	2024-04-06 22:09	17	Light C - Tote	4.97	21.11	13047	1444	9880	-2259	936	-3143	56.3	33.7	50	2801
2024-04-07 3:09	2024-04-06 22:09	17	Light C - Tote	4.97	21.47	10112	1998	13713	-1670	220	-3679	39.2	50.8	45	1266
2024-04-07 3:09	2024-04-06 22:09	17	Light C - Tote	4.97	21.47	11724	-598	11314	-2086	-434	-3373	49.9	40.1	344	1659
2024-04-07 3:09	2024-04-06 22:09	17	Light C - Tote	4.96	21.47	11999	563	11783	-2613	-779	-2831	49.1	40.9	335	783
2024-04-07 3:09	2024-04-06 22:09	17	Light C - Tote	4.97	21.17	10781	9	14107	-2647	-497	-2863	40.6	49.4	316	2182
2024-04-07 3:09	2024-04-06 22:09	17	Light C - Tote	4.96	21.17	11799	-2296	11995	-3080	-10	-2353	47.8	42.2	285	2919
2024-04-07 3:09	2024-04-06 22:09	17	Light C - Tote	4.97	21.17	10671	-2897	7469	-1634	1709	-3279	58	32	9	4483
2024-04-07 3:09	2024-04-06 22:09	17	Light C - Tote	4.97	21.37	8262	-939	14984	-1026	1372	-3733	31.8	58.2	48	2523
2024-04-07 3:09	2024-04-06 22:09	17	Light C - Tote	4.97	21.37	9959	1055	13205	-1591	694	-3648	40.2	49.8	47	5044
2024-04-07 3:09	2024-04-06 22:09	17	Light C - Tote	4.97	21.37	13969	-557	14942	-2248	1590	-2781	46.2	43.8	61	19272
2024-04-07 3:40	2024-04-06 22:40	23.8	Light D - Teardrop	4.96	21.3	4799	-716	16790	-1446	-155	-3719	17.9	72.1	259	1369
2024-04-07 3:40	2024-04-06 22:40	23.8	Light D - Teardrop	4.96	21.3	3297	-2281	17462	-1398	-155	-3737	12.1	77.9	233	1024
2024-04-07 3:40	2024-04-06 22:40	23.8	Light D - Teardrop	4.96	21.3	3018	-1419	16957	-1184	-188	-3811	11.5	78.5	241	1250
2024-04-07 3:40	2024-04-06 22:40	23.5	Light D - Teardrop	4.97	21.3	4650	-2277	16637	-1083	-219	-3837	17.4	72.6	301	1617
2024-04-07 3:40	2024-04-06 22:40	23.5	Light D - Teardrop	4.96	21.3	3254	-2921	17366	-728	-112	-3930	11.9	78.1	302	1334
2024-04-07 3:40	2024-04-06 22:40	23.5	Light D - Teardrop	4.96	22.01	3600	-1881	17038	-365	-9	-3956	13.5	76.5	346	1566
2024-04-07 3:40	2024-04-06 22:40	23.5	Light D - Teardrop	4.96	22.01	3385	-2595	17254	-150	84	-3978	12.5	77.5	345	1423
2024-04-07 3:40	2024-04-06 22:40	23.5	Light D - Teardrop	4.96	22.01	3096	-4285	20588	-151	94	-3983	11	79	326	1352
2024-04-07 3:40	2024-04-06 22:40	23.5	Light D - Teardrop	4.96	22.01	4258	-1650	16631	-167	293	-3965	16.1	73.9	8	634
2024-04-07 3:40	2024-04-06 22:40	23.5	Light D - Teardrop	4.96	21.52	3855	-1755	16581	-128	588	-3944	14.8	75.2	21	505
2024-04-07 3:40	2024-04-06 22:40	23.5	Light D - Teardrop	4.96	21.52	4612	-2057	16267	-52	769	-3923	17.7	72.3	22	1090
2024-04-07 3:40	2024-04-06 22:40	23.5	Light D - Teardrop	4.97	21.52	5272	-2168	16190	-159	1183	-3841	20.1	69.9	33	1025
2024-04-07 3:40	2024-04-06 22:40	23.5	Light D - Teardrop	4.96	21.52	2765	-2098	17779	-85	1271	-3806	10.1	79.9	51	1552
2024-04-07 3:40	2024-04-06 22:40	23.5	Light D - Teardrop	4.96	21.52	4818	-2631	16815	-428	1436	-3717	17.8	72.2	47	2067
2024-04-07 3:40	2024-04-06 22:40	23.5	Light D - Teardrop	4.97	21.52	4811	-2211	15109	-741	1628	-3571	19.7	70.3	57	1463
2024-04-07 3:40	2024-04-06 22:40	23.5	Light D - Teardrop	4.99	21.52	4251	-1622	14508	-871	1730	-3518	18.4	71.6	67	1870
2024-04-07 3:40	2024-04-06 22:40	23.2	Light D - Teardrop	4.96	21.52	4264	-1575	16841	-1110	1415	-3618	16	74	79	1734
2024-04-07 3:40	2024-04-06 22:40	23.2	Light D - Teardrop	4.97	21.52	4540	-2276	17320	-1580	1028	-3523	16.4	73.6	103	1426
2024-04-07 3:40	2024-04-06 22:40	23.2	Light D - Teardrop	4.96	21.52	5480	-1385	16540	-1864	787	-3427	20.4	69.6	105	1135
2024-04-07 3:41	2024-04-06 22:41	23.2	Light D - Teardrop	4.97	22.46	4932	-2336	15423	-1905	620	-3446	19.8	70.2	135	2498
2024-04-07 3:41	2024-04-06 22:41	23.2	Light D - Teardrop	4.97	22.46	4891	-1602	16788	-1902	366	-3494	18.1	71.9	149	739
2024-04-07 3:41	2024-04-06 22:41	23.2	Light D - Teardrop	4.96	22.46	5852	-150	16035	-1930	-17	-3492	22.3	67.7	133	1380
2024-04-07 3:41	2024-04-06 22:41	23.2	Light D - Teardrop	4.96	22.46	6327	-704	15515	-2026	-257	-3416	24.7	65.3	241	1786
2024-04-07 3:41	2024-04-06 22:41	23.2	Light D - Teardrop	4.97	22.46	6465	-1385	16455	-1822	-395	-3527	23.7	66.3	271	1191
2024-04-07 3:41	2024-04-06 22:41	23.2	Light D - Teardrop	4.96	22.46	5294	-1243	17017	-1549	-344	454	19.3	70.7	281	857
2024-04-07 3:41	2024-04-06 22:41	23.2	Light D - Teardrop	4.96	22.08	5825	-1619	16558	-1416	-414	-3686	21.5	68.5	293	1131
2024-04-07 3:41	2024-04-06 22:41	23.2	Light D - Teardrop	4.96	22.08	5963	-646	17405	-1178	-563	-3737	21	69	312	2593
2024-04-07 3:41	2024-04-06 22:41	23.2	Light D - Teardrop	4.96	22.08	6070	-505	16643	-870	-510	-3820	22.3	67.7	334	1426
2024-04-07 3:41	2024-04-06 22:41	23.2	Light D - Teardrop	4.96	22.08	6663	-1919	15595	-839	-306	-3855	25.6	64.4	332	811
2024-04-07 3:41	2024-04-06 22:41	22.8	Light D - Teardrop	4.96	21.34	5341	-547	17053	-724	-292	-3865	19.4	70.6	347	988
2024-04-07 3:41	2024-04-06 22:41	22.8	Light D - Teardrop	4.96	21.34	6584	-359	15501	-676	-73	-3873	25.5	64.5	4	1278
2024-04-07 3:41	2024-04-06 22:41	22.8	Light D - Teardrop	4.97	21.34	6600	-66	14806	-569	506	-3887	26.7	63.3	29	1396
2024-04-07 3:41	2024-04-06 22:41	22.8	Light D - Teardrop	4.97	21.17	6439	-1685	14459	-524	909	-3852	26.6	63.4	27	1820
2024-04-07 3:41	2024-04-06 22:41	22.8	Light D - Teardrop	4.97	21.17	6174	-770	16167	-593	928	-3816	23.2	66.8	41	2018
2024-04-07 3:41	2024-04-06 22:41	22.8	Light D - Teardrop	4.96	21.17	5729	1370	16480	-626	943	-3788	21.2	68.8	58	2449
2024-04-07 3:41	2024-04-06 22:41	22.8	Light D - Teardrop	4.96	21.17	8502	-118	16302	-1049	1199	-3615	30.2	59.8	52	2304
2024-04-07 3:41	2024-04-06 22:41	22.8	Light D - Teardrop	4.97	21.17	6156	-176	16806	-1292	1046	-3580	22.3	67.7	71	1613
2024-04-07 3:41	2024-04-06 22:41	22.8	Light D - Teardrop	4.97	21.17	5783	-457	16416	-1491	1090	-3515	21.6	68.4	80	2027
2024-04-07 3:41	2024-04-06 22:41														

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2024-04-07 3:41	2024-04-06 22:41	21.9	Light D - Teardrop	4.97	21.04	9768	106	15681	-1230	75	-3701	34.8	55.2	16	2110
2024-04-07 3:41	2024-04-06 22:41	21.9	Light D - Teardrop	4.96	21.04	10339	-866	13381	-1420	408	-3640	41.1	48.9	16	1501
2024-04-07 3:41	2024-04-06 22:41	21.9	Light D - Teardrop	4.97	21.07	10544	-3584	12109	-1384	1379	-3397	43.6	46.4	15	2974
2024-04-07 3:41	2024-04-06 22:41	21.9	Light D - Teardrop	4.96	21.07	10760	-1487	14874	-1453	1077	-3447	38.9	51.1	36	1479
2024-04-07 3:41	2024-04-06 22:41	21.9	Light D - Teardrop	4.96	21.07	10328	-3093	13503	-1574	1340	-3279	40.1	49.9	27	1877
2024-04-07 3:41	2024-04-06 22:41	21.9	Light D - Teardrop	4.96	21.07	10691	-3670	13272	-1674	1549	-3117	41.3	48.7	27	1017
2024-04-07 3:41	2024-04-06 22:41	21.9	Light D - Teardrop	4.96	21.46	11185	-2960	12104	-2046	1676	-2785	45.7	44.3	41	1247
2024-04-07 3:41	2024-04-06 22:41	21.5	Light D - Teardrop	4.96	21.47	10024	-940	13309	-2316	1380	-2757	40.4	49.6	68	1790
2024-04-07 3:41	2024-04-06 22:41	21.5	Light D - Teardrop	4.97	21.47	11698	-1982	12231	-2684	1065	-2466	47.1	42.9	58	1213
2024-04-07 3:41	2024-04-06 22:41	21.5	Light D - Teardrop	4.96	21.47	11633	-520	13001	-2879	927	-2280	45.3	44.7	82	1289
2024-04-07 3:41	2024-04-06 22:41	21.5	Light D - Teardrop	4.96	21.47	14404	-358	9185	-3412	374	-1435	61.4	28.6	81	1510
2024-04-07 3:41	2024-04-06 22:41	21.5	Light D - Teardrop	4.96	21.65	14574	-1464	8302	-3496	-111	-1300	64	26	280	2246
2024-04-07 3:41	2024-04-06 22:41	21.5	Light D - Teardrop	4.96	21.65	14558	-653	8311	-3471	-195	-1421	64.3	25.7	304	1849
2024-04-07 3:41	2024-04-06 22:41	21.5	Light D - Teardrop	4.96	21.65	14210	-1783	10523	-3400	-409	-1628	56.9	33.1	270	1657
2024-04-07 3:42	2024-04-06 22:42	21.5	Light D - Teardrop	4.97	21.65	14477	-2166	7152	-3304	-409	-1859	66.9	23.1	297	520
2024-04-07 3:42	2024-04-06 22:42	21.5	Light D - Teardrop	4.96	21.44	14431	-2232	8604	-3094	-353	-2217	62.2	27.8	306	1290
2024-04-07 3:42	2024-04-06 22:42	21.5	Light D - Teardrop	4.97	21.44	14553	-2118	8109	-2852	-224	-2587	64	26	323	2268
2024-04-07 3:42	2024-04-06 22:42	21.5	Light D - Teardrop	4.96	21.44	13033	-1784	8028	-2475	338	-2969	62.2	27.8	351	2925
2024-04-07 3:42	2024-04-06 22:42	21.5	Light D - Teardrop	4.96	21.33	13930	-2773	8929	-2492	680	-2805	60.2	29.8	352	2247
2024-04-07 3:42	2024-04-06 22:42	21.2	Light D - Teardrop	4.96	21.33	13825	-3525	9650	-2384	1096	-2711	57.3	32.7	2	1152
2024-04-07 3:42	2024-04-06 22:42	21.2	Light D - Teardrop	4.96	21.33	13120	-3408	10315	-2323	1360	-2664	54.3	35.7	19	1711
2024-04-07 3:42	2024-04-06 22:42	21.2	Light D - Teardrop	4.96	21.33	14421	-207	9498	-2435	1333	-2605	60.5	29.5	48	1386
2024-04-07 3:42	2024-04-06 22:42	21.2	Light D - Teardrop	4.97	21.33	12845	-1796	11458	-2759	1157	-2249	51.7	38.3	59	2125
2024-04-07 3:42	2024-04-06 22:42	21.2	Light D - Teardrop	4.96	21.63	12726	-1220	12160	-2857	1169	-2132	49.8	40.2	73	1877
2024-04-07 3:42	2024-04-06 22:42	21.2	Light D - Teardrop	4.97	21.63	12329	-885	9755	-3113	860	-1904	55.7	34.3	71	1796
2024-04-07 3:42	2024-04-06 22:42	21.2	Light D - Teardrop	4.96	21.63	12025	-2518	10029	-3189	544	-1919	53.5	36.5	36	966
2024-04-07 3:42	2024-04-06 22:42	21.2	Light D - Teardrop	4.97	21.63	13737	-650	10618	-3249	255	-1970	56.1	33.9	56	1802
2024-04-07 3:42	2024-04-06 22:42	21.2	Light D - Teardrop	4.96	21.51	12680	-1772	11173	-3198	-88	-2081	52.1	37.9	287	848
2024-04-07 3:42	2024-04-06 22:42	21.2	Light D - Teardrop	4.96	21.51	11233	-1468	12849	-2796	-395	-2683	44.6	45.4	297	2483
2024-04-07 3:42	2024-04-06 22:42	21.2	Light D - Teardrop	4.96	21.51	12265	-979	12938	-2583	-484	-2888	46.9	43.1	322	2519
2024-04-07 3:42	2024-04-06 22:42	21.2	Light D - Teardrop	4.97	21.17	11236	-1726	11497	-2199	-235	-3272	47.9	42.1	333	2409
2024-04-07 3:42	2024-04-06 22:42	21.2	Light D - Teardrop	4.96	21.17	11768	-2310	12113	-2023	-117	-3370	47.4	42.6	334	2462
2024-04-07 3:42	2024-04-06 22:42	20.9	Light D - Teardrop	4.96	21.17	12568	-1510	9564	-1935	274	-3395	56.6	33.4	357	1493
2024-04-07 3:42	2024-04-06 22:42	20.9	Light D - Teardrop	4.96	21.06	10233	-1319	12382	-1654	835	-3469	43.1	46.9	27	1191
2024-04-07 3:42	2024-04-06 22:42	20.9	Light D - Teardrop	4.97	21.06	11825	-906	11546	-1984	954	-3207	49.4	40.6	32	2431
2024-04-07 3:42	2024-04-06 22:42	20.9	Light D - Teardrop	4.97	21.06	10908	355	12565	-2245	984	-2990	44.5	45.5	57	1150
2024-04-07 3:42	2024-04-06 22:42	20.9	Light D - Teardrop	4.97	21.06	7991	142	15393	-2113	1019	-3126	30.2	59.8	80	1158
2024-04-07 3:42	2024-04-06 22:42	20.9	Light D - Teardrop	4.96	21.06	9516	337	16449	-2477	558	-2983	32.8	57.2	89	2097
2024-04-07 3:42	2024-04-06 22:42	20.9	Light D - Teardrop	4.96	21.65	7392	-867	14902	-2518	138	-3023	29.2	60.8	146	1003
2024-04-07 3:42	2024-04-06 22:42	20.9	Light D - Teardrop	4.96	21.65	6822	33	17387	-2475	-231	-3063	23.6	66.4	180	2804
2024-04-07 3:42	2024-04-06 22:42	20.9	Light D - Teardrop	4.96	21.65	9364	-227	13779	-2445	-664	-3005	37.5	52.5	303	1896
2024-04-07 3:42	2024-04-06 22:42	20.9	Light D - Teardrop	4.96	21.65	8923	-818	14509	8809	4548	440	34.7	55.3	90	3234
2024-04-07 3:42	2024-04-06 22:42	20.9	Light D - Teardrop	4.96	21.47	10905	-3098	13529	-1819	196	-3526	41.6	48.4	338	1643
2024-04-07 3:42	2024-04-06 22:42	20.9	Light D - Teardrop	4.96	21.47	8862	1055	13797	-1522	-289	-3658	35.8	54.2	14	4441
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.96	22.11	-3640	-1687	17178	-621	941	-3964	-12.6	102.6	142	2094
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.97	22.11	859	718	15760	-1674	856	-3876	3.9	86.1	128	2036
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.96	22.11	6098	-1586	15317	-2777	800	-3367	24.1	65.9	135	569
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.97	22.11	6982	-1468	14929	-3113	641	-3165	27.7	62.3	143	1497
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.96	22.11	7738	-3469	14844	-3092	504	-3239	29.8	60.2	195	1277
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.96	22.11	7312	-2054	16184	-3190	165	-3241	26.7	63.3	186	911
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.96	22.11	8075	-2834	14541	-3029	-121	-3391	31.6	58.4	237	1577
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.97	22.32	6684	-3496	15398	-2683	-432	-3612	25.5	64.5	244	3302
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.96	22.32	6818	-1844	15550	-2423	-643	-3705	26.1	63.9	251	1263
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.97	22.32	6739	984	17254	-2090	-759	-3804	23.5	66.5	237	2985
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.96	22.32	6671	-1949	16018	-1853	-323	-3941	25	65	276	708
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.97	22.32	6350	-2749	16482	-1578	95	-4000	23.1	66.9	302	1549
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.97	21.71	6572	-2567	16403	-1526	172	-3996	24	66	327	811
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.97	21.71	5779	-1468	16705	-1385	291	-4008	21.2	68.8	38	1346
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.96	21.71	6304	-3890	16703	-1282	690	-3970	22.5	67.5	6	1979
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.97	21.71	6335	-2171	15698	-1435	938	-3893	24.3	65.7	56	979
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.96	21.71	5567	-2082	16092	-1567	1163	-3792	21.2	68.8	81	1358
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.97	21.71	5861	-3020	15109	-1767	1494	-3587	23.3	66.7	81	1078
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.96	21.71	6812	-2968	15944	-2321	1266	-3465	25.3	64.7	105	1447
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.96	21.71	7060	-1432	15350	-2856	938	-3266	27.3	62.7	121	2238
2024-04-07 4:01	2024-04-06 23:01	18.3	Light B - Tuzyk	4.96	22.34	7922	-2042	15495	-3192	622	-3105	29.7	60.3	149	1651
2024-04-07 4:02	2024-04-06 23:02	18.3	Light B - Tuzyk	4.96	22.34	7312	-3248	15245	-3142	544	-3184	27.9	62.1	182	1458
2024-04-07 4:02	2024-04-06 23:02	18.3	Light B - Tuzyk	4.96	22.34	7037	-2394	16107	-3241	373	-3158	25.9	64.1	177	1356
2024-04-07 4:02	2024-04-06 23:02	18.3	Light B - Tuzyk	4.97	22.34	7739	-2065	15177	-3265	-33	-3204	29.6	60.4	205	1778
2024-04-07 4:02	2024-04-06 23:02	18.3	Light B - Tuzyk	4.96	22.34	6515	-3164	16885	-3048	-218	-3383	23.1	66.9	217	1147
2024-04-07 4:02	2024-04-06 23:02	18.3	Light B - Tuzyk	4.96	22.34	7733	-3424	14583	-2893	-277	-3485	30.2	59.8	247	1591
2024-04-07 4:02	2024-04-06 23:02	18.3	Light B - Tuzyk	4.96	22.34	8219	-1217	14530							

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2024-04-07 4:02	2024-04-06 23:02	17.7	Light B - Tuzyk	4.97	21.69	10440	-3164	12679	-3792	-355	-2637	42.2	47.8	251	2764
2024-04-07 4:02	2024-04-06 23:02	17.7	Light B - Tuzyk	4.96	21.69	10905	-2530	13505	-3550	-702	-2904	41.9	48.1	263	1504
2024-04-07 4:02	2024-04-06 23:02	17.7	Light B - Tuzyk	4.97	21.69	13449	1574	12039	-3365	-981	-3017	51.3	38.7	339	1765
2024-04-07 4:02	2024-04-06 23:02	17.7	Light B - Tuzyk	4.96	21.3	11094	-812	13222	-2852	-668	-3474	43.4	46.6	303	1165
2024-04-07 4:02	2024-04-06 23:02	17.7	Light B - Tuzyk	4.97	21.3	11493	995	10688	-2865	-236	-3493	50.8	39.2	24	2261
2024-04-07 4:02	2024-04-06 23:02	17.7	Light B - Tuzyk	4.97	21.3	12309	-603	11920	-2822	-81	-3504	49.6	40.4	358	2522
2024-04-07 4:02	2024-04-06 23:02	17.7	Light B - Tuzyk	4.97	21.3	12135	252	13060	-2941	291	-3381	46.3	43.7	49	2756
2024-04-07 4:02	2024-04-06 23:02	17.7	Light B - Tuzyk	4.96	21.34	13923	-1294	10621	-3378	792	-2808	56.3	33.7	39	1031
2024-04-07 4:02	2024-04-06 23:02	17.7	Light B - Tuzyk	4.96	21.34	14777	-58	7990	-4218	395	-1500	65.6	24.4	74	1444
2024-04-07 4:02	2024-04-06 23:02	17.7	Light B - Tuzyk	4.97	21.34	14742	671	8495	-4318	120	-1385	63.8	26.2	86	1208
2024-04-07 4:02	2024-04-06 23:02	17.7	Light B - Tuzyk	4.96	21.34	15738	-816	10242	-4418	-90	-1128	60.5	29.5	204	2157
2024-04-07 4:02	2024-04-06 23:02	17.7	Light B - Tuzyk	4.97	21.72	13744	-2920	11495	-4216	-133	-1854	52.9	37.1	254	1766
2024-04-07 4:02	2024-04-06 23:02	17.7	Light B - Tuzyk	4.97	21.72	13173	-842	10658	-4187	-446	-1957	54.8	35.2	266	1921
2024-04-07 4:02	2024-04-06 23:02	17.7	Light B - Tuzyk	4.97	21.72	13076	-915	9615	-4056	-800	-2179	57.7	32.3	285	1364
2024-04-07 4:02	2024-04-06 23:02	17.7	Light B - Tuzyk	4.96	21.72	12965	-2835	12498	-3629	-838	-2803	48.9	41.1	277	1790
2024-04-07 4:02	2024-04-06 23:02	17.7	Light B - Tuzyk	4.97	21.44	12705	895	11506	-3491	-1021	-2888	51.4	38.6	313	1408
2024-04-07 4:02	2024-04-06 23:02	17.7	Light B - Tuzyk	4.96	21.44	12532	-1256	12428	-3142	-606	-3291	48.7	41.3	307	853
2024-04-07 4:02	2024-04-06 23:02	17.4	Light B - Tuzyk	4.97	21.44	12769	-2349	12060	-2903	54	-3454	49.8	40.2	330	1557
2024-04-07 4:02	2024-04-06 23:02	17.4	Light B - Tuzyk	4.96	21.2	12462	-1391	12007	-2894	108	-3442	49.6	40.4	353	933
2024-04-07 4:02	2024-04-06 23:02	17.4	Light B - Tuzyk	4.96	21.2	12706	-1731	10791	-2980	581	-3266	53.3	36.7	12	1518
2024-04-07 4:02	2024-04-06 23:02	17.4	Light B - Tuzyk	4.96	21.2	10826	-1985	13881	-2839	1031	-3202	41	49	63	1402
2024-04-07 4:02	2024-04-06 23:02	17.4	Light B - Tuzyk	4.96	21.2	11399	-1147	12580	-3049	876	-3113	45.7	44.3	57	1813
2024-04-07 4:02	2024-04-06 23:02	17.4	Light B - Tuzyk	4.96	21.6	11287	-801	13011	-3503	743	-2703	44.4	45.6	93	1131
2024-04-07 4:02	2024-04-06 23:02	17.4	Light B - Tuzyk	4.97	21.6	11809	-824	12521	-3795	420	-2440	46.9	43.1	112	1243
2024-04-07 4:02	2024-04-06 23:02	17.4	Light B - Tuzyk	4.97	21.6	10919	-386	12288	-3907	90	-2399	45.3	44.7	144	954
2024-04-07 4:02	2024-04-06 23:02	17.4	Light B - Tuzyk	4.96	21.6	11334	-747	12780	-3924	-306	-2453	45.1	44.9	226	1906
2024-04-07 4:02	2024-04-06 23:02	17.4	Light B - Tuzyk	4.96	21.6	10260	-2187	12394	-3770	-500	-2665	42.9	47.1	252	2844
2024-04-07 4:03	2024-04-06 23:03	17.4	Light B - Tuzyk	4.96	21.54	9807	527	14126	-3543	-899	-2868	37.9	52.1	236	1364
2024-04-07 4:03	2024-04-06 23:03	17.4	Light B - Tuzyk	4.96	21.54	11000	-3311	18684	-10675	4562	418	34	56	92	2170
2024-04-07 4:03	2024-04-06 23:03	17.4	Light B - Tuzyk	4.96	21.54	10003	-437	15564	-2494	-490	-3677	35.7	54.3	299	2948
2024-04-07 4:03	2024-04-06 23:03	17.4	Light B - Tuzyk	4.96	21.16	10662	-1417	13146	-2339	-2	-3757	42.4	47.6	346	2907
2024-04-07 4:03	2024-04-06 23:03	17.4	Light B - Tuzyk	4.97	21.16	9761	-3390	14778	-2242	568	-3722	35.9	54.1	352	995
2024-04-07 4:03	2024-04-06 23:03	17.4	Light B - Tuzyk	4.96	21.16	10612	-1200	12826	-2395	625	-3644	43.1	46.9	34	1753
2024-04-07 4:03	2024-04-06 23:03	17.4	Light B - Tuzyk	4.97	21.36	10144	-2284	13595	-2647	851	-3414	39.8	50.2	48	1736
2024-04-07 4:03	2024-04-06 23:03	17	Light B - Tuzyk	4.96	21.36	10588	-1984	14785	-3141	932	-2997	38.6	51.4	92	917
2024-04-07 4:03	2024-04-06 23:03	17	Light B - Tuzyk	4.97	21.36	11376	-749	12398	-3408	851	-2761	46.2	43.8	81	1748
2024-04-07 4:03	2024-04-06 23:03	17	Light B - Tuzyk	4.96	21.36	10812	-196	13150	-3758	388	-2512	42.9	47.1	121	1174
2024-04-07 4:03	2024-04-06 23:03	17	Light B - Tuzyk	4.96	21.36	10544	-1286	13618	-3898	8	-2433	41	49	189	1101
2024-04-07 4:03	2024-04-06 23:03	17	Light B - Tuzyk	4.96	21.64	13073	202	13397	-4066	-566	-2204	47.6	42.4	234	2044
2024-04-07 4:03	2024-04-06 23:03	17	Light B - Tuzyk	4.96	21.64	11911	-1655	13962	-3880	-908	-2465	43.6	46.4	255	2071
2024-04-07 4:03	2024-04-06 23:03	17	Light B - Tuzyk	4.96	21.64	13151	756	11121	-3676	-1127	-2624	53.4	36.6	298	719
2024-04-07 4:03	2024-04-06 23:03	17	Light B - Tuzyk	4.97	21.32	12239	314	11438	-3369	-1017	-2992	50.7	39.3	309	2105
2024-04-07 4:03	2024-04-06 23:03	17	Light B - Tuzyk	4.96	21.32	12233	122	10991	-3096	-645	-3292	51.9	38.1	336	1123
2024-04-07 4:03	2024-04-06 23:03	17	Light B - Tuzyk	4.96	21.32	10803	1588	12636	-2881	-354	-3455	43.7	46.3	42	1912
2024-04-07 4:03	2024-04-06 23:03	17	Light B - Tuzyk	4.96	21.32	11643	780	10925	-3056	197	-3303	50.6	39.4	46	3017
2024-04-07 4:03	2024-04-06 23:03	17	Light B - Tuzyk	4.97	21.34	13129	457	11090	-3225	532	-3064	53.5	36.5	50	2748
2024-04-07 4:03	2024-04-06 23:03	17	Light B - Tuzyk	4.96	21.34	12707	1356	11622	-3607	413	-2698	50.9	39.1	79	2143
2024-04-07 4:03	2024-04-06 23:03	17	Light B - Tuzyk	4.96	21.34	13112	444	9523	-3778	787	-2256	58	32	76	2034
2024-04-07 4:03	2024-04-06 23:03	17	Light B - Tuzyk	4.96	21.34	14566	-2378	8764	-4253	25	-1646	62.1	27.9	282	7062
2024-04-07 4:03	2024-04-06 23:03	17	Light B - Tuzyk	4.96	21.34	10826	3079	10402	-4022	-887	-2219	48.4	41.6	130	3845
2024-04-07 4:21	2024-04-06 23:21	20.6	Light A - Dixie	4.96	21.99	3943	-3937	16846	-2056	1245	-3561	14.5	75.5	139	1490
2024-04-07 4:21	2024-04-06 23:21	20.6	Light A - Dixie	4.97	21.99	2578	86	17528	-2262	765	-3642	9.6	80.4	138	1469
2024-04-07 4:21	2024-04-06 23:21	20.6	Light A - Dixie	4.96	21.99	6332	-450	17810	-3003	28	-3337	21.7	68.3	171	834
2024-04-07 4:21	2024-04-06 23:21	20.6	Light A - Dixie	4.97	21.99	5372	-3814	14691	-2816	-346	-3488	21.9	68.1	233	1892
2024-04-07 4:21	2024-04-06 23:21	20.6	Light A - Dixie	4.96	21.99	5417	-1612	20510	-2316	-448	-3762	18.8	71.2	219	2033
2024-04-07 4:21	2024-04-06 23:21	20.6	Light A - Dixie	4.96	22.11	4020	-2638	16322	-1956	-618	-3877	15.5	74.5	240	1444
2024-04-07 4:21	2024-04-06 23:21	20.3	Light A - Dixie	4.96	22.11	3923	-4011	18719	-1488	-505	-4002	13.7	76.3	255	1557
2024-04-07 4:21	2024-04-06 23:21	20.3	Light A - Dixie	4.96	22.11	4829	-1818	16765	-1249	-497	-4044	17.9	72.1	285	995
2024-04-07 4:21	2024-04-06 23:21	20.3	Light A - Dixie	4.96	22.11	4132	-2123	16261	-1053	-281	-4076	16	74	294	549
2024-04-07 4:21	2024-04-06 23:21	20.3	Light A - Dixie	4.97	22.11	3659	-1964	16541	-636	45	-4096	14.1	75.9	342	1857
2024-04-07 4:21	2024-04-06 23:21	20.3	Light A - Dixie	4.96	22.11	4738	-2220	15780	-554	360	-4087	18.7	71.3	4	1920
2024-04-07 4:21	2024-04-06 23:21	20.3	Light A - Dixie	4.97	22.11	3699	-311	17967	-420	743	-4033	13.2	76.8	53	1199
2024-04-07 4:21	2024-04-06 23:21	20.3	Light A - Dixie	4.96	22.11	3691	-1689	17693	-547	1040	-3968	13.3	76.7	57	899
2024-04-07 4:21	2024-04-06 23:21	20.3	Light A - Dixie	4.97	22.11	3546	-1547	17010	-1011	1295	-3868	13.3	76.7	82	1366
2024-04-07 4:21	2024-04-06 23:21	20.3	Light A - Dixie	4.96	22.11	2540	-4228	17061	-1369	1355	-3762	9.5	80.5	122	1791
2024-04-07 4:21	2024-04-06 23:21	20.3	Light A - Dixie	4.97	22.55	1800	1516	18419	-1712	893	-3849	6.7	83.3	120	1492
2024-04-07 4:21	2024-04-06 23:21	20.3	Light A - Dixie	4.96	22.55	7218	-1275	15854	-2988	687	-3191	27	63	135	1257
2024-04-07 4:21	2024-04-06 23:21	20.3	Light A - Dixie	4.96	22.55	7708	-1030	16302	-3143	455	-3126	27.9	62.1	147	2513
2024-04-07 4:21	2024-04-06 23:21	20.3	Light A - Dixie	4.96	22.55	6164	-326	16786	-3032	83	-3312	22.4	67.6	166	1333
2024-04-07 4:21	2024-04-06 23:21	20.3	Light A - Dixie	4.97	22.55	5298	-467	15608	-2860	-220	-3456	21	69	186	1744
2024-04-07 4:21	2024-04-06 23:21	20.3	Light A - Dixie	4.96	22.55	6038	-1948	15060	-2552	-323	-3638	24.2	65.8	228	1545
2024-04-07 4:21	2024-04-06 23:21	20.3	Light A - Dixie	4.97	21.92	5476									

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2024-04-07 4:22	2024-04-06 23:22	19.9	Light A - Dixie	4.96	21.46	10088	1248	13464	-3462	-1588	-2590	40	50	259	2039
2024-04-07 4:22	2024-04-06 23:22	19.9	Light A - Dixie	4.97	21.46	11041	2779	13782	-3046	-1468	-3056	41.1	48.9	302	3912
2024-04-07 4:22	2024-04-06 23:22	19.9	Light A - Dixie	4.96	21.46	8868	1759	16188	-2402	-1343	-3506	31.2	58.8	277	2765
2024-04-07 4:22	2024-04-06 23:22	19.9	Light A - Dixie	4.96	21.46	11026	745	13122	-2501	-908	-3596	43.4	46.6	328	1267
2024-04-07 4:22	2024-04-06 23:22	19.9	Light A - Dixie	4.96	21.37	11230	267	13482	-2475	-769	-3625	43.1	46.9	327	2546
2024-04-07 4:22	2024-04-06 23:22	19.6	Light A - Dixie	4.97	21.37	9894	2760	14203	-2194	-405	-3803	37.2	52.8	47	1649
2024-04-07 4:22	2024-04-06 23:22	19.6	Light A - Dixie	4.96	21.37	11304	1009	11964	-2484	597	-3567	46.9	43.1	54	1896
2024-04-07 4:22	2024-04-06 23:22	19.6	Light A - Dixie	4.96	21.37	10166	591	13491	-2633	789	-3413	40.3	49.7	71	3250
2024-04-07 4:22	2024-04-06 23:22	19.6	Light A - Dixie	4.96	21.37	11850	2152	13958	-3068	646	-3116	43	47	79	1213
2024-04-07 4:22	2024-04-06 23:22	19.6	Light A - Dixie	4.96	21.37	10998	767	13899	-3453	421	-2800	41.5	48.5	101	1709
2024-04-07 4:22	2024-04-06 23:22	19.6	Light A - Dixie	4.96	21.37	11801	-152	11946	-3785	312	-2363	48.4	41.6	106	2262
2024-04-07 4:22	2024-04-06 23:22	19.6	Light A - Dixie	4.97	21.37	11677	1679	13236	-3969	-185	-2190	44.4	45.6	137	2071
2024-04-07 4:22	2024-04-06 23:22	19.6	Light A - Dixie	4.96	21.57	11883	132	13039	-4028	-773	-2072	45.8	44.2	239	1306
2024-04-07 4:22	2024-04-06 23:22	19.6	Light A - Dixie	4.97	21.57	12895	-90	11640	-3869	-1036	-2292	51.6	38.4	273	1397
2024-04-07 4:22	2024-04-06 23:22	19.6	Light A - Dixie	4.96	21.57	11921	3288	10996	-3606	-1441	-2495	49.3	40.7	307	1711
2024-04-07 4:22	2024-04-06 23:22	19.6	Light A - Dixie	4.96	21.57	12221	-246	11733	-3230	-1340	-2951	49.9	40.1	297	2075
2024-04-07 4:22	2024-04-06 23:22	19.6	Light A - Dixie	4.96	21.38	12485	-780	10957	-3129	-908	-3177	52.6	37.4	311	3548
2024-04-07 4:22	2024-04-06 23:22	19.6	Light A - Dixie	4.96	21.38	13704	3490	13542	-2909	-915	-3329	47.3	42.7	24	1937
2024-04-07 4:22	2024-04-06 23:22	19.6	Light A - Dixie	4.96	21.38	12905	1951	10658	-3002	-165	-3344	53.5	36.5	41	1493
2024-04-07 4:22	2024-04-06 23:22	19.6	Light A - Dixie	4.96	21.38	12228	2161	12618	-3180	161	-3156	46.9	43.1	69	2470
2024-04-07 4:22	2024-04-06 23:22	19.6	Light A - Dixie	4.96	21.5	14042	3220	10183	-3677	438	-2478	55.9	34.1	80	4325
2024-04-07 4:22	2024-04-06 23:22	19.6	Light A - Dixie	4.96	21.5	13583	1019	10725	-3886	180	-2231	55.2	34.8	81	1333
2024-04-07 4:22	2024-04-06 23:22	19.3	Light A - Dixie	4.96	21.5	14031	3569	9334	-4222	-271	-1595	57.7	32.3	96	2397
2024-04-07 4:22	2024-04-06 23:22	19.3	Light A - Dixie	4.96	21.5	11928	3782	10981	-4051	-446	-2067	48.9	41.1	109	2151
2024-04-07 4:22	2024-04-06 23:22	19.3	Light A - Dixie	4.96	21.62	12173	-271	12886	-4045	-794	-2042	46.9	43.1	246	835
2024-04-07 4:22	2024-04-06 23:22	19.3	Light A - Dixie	4.97	21.62	10447	197	11978	-3863	-1030	-2313	44.8	45.2	251	3289
2024-04-07 4:22	2024-04-06 23:22	19.3	Light A - Dixie	4.96	21.62	12782	2437	12860	-3722	-1297	-2420	47.5	42.5	264	2684
2024-04-07 4:22	2024-04-06 23:22	19.3	Light A - Dixie	4.96	21.62	11575	-1432	13557	-3286	-1320	-2914	43.8	46.2	277	2067
2024-04-07 4:22	2024-04-06 23:22	19.3	Light A - Dixie	4.96	21.38	11211	1645	10385	-2777	-812	-3449	50.6	39.4	4	2308
2024-04-07 4:22	2024-04-06 23:22	19.3	Light A - Dixie	4.96	21.38	11040	1699	14105	-2538	-845	-3574	40.9	49.1	345	3726
2024-04-07 4:22	2024-04-06 23:22	19.3	Light A - Dixie	4.96	21.38	11668	181	12030	-2487	-62	-3673	47.8	42.2	15	1500
2024-04-07 4:22	2024-04-06 23:22	19.3	Light A - Dixie	4.96	21.38	10800	-1898	14607	-2631	367	-3541	39.5	50.5	18	2429
2024-04-07 4:22	2024-04-06 23:22	19.3	Light A - Dixie	4.96	21.34	10964	1856	14714	-2621	521	-3499	39.4	50.6	75	2625
2024-04-07 4:22	2024-04-06 23:22	19.3	Light A - Dixie	4.96	21.34	9644	-250	15709	-3006	719	-3137	34.4	55.6	101	1419
2024-04-07 4:22	2024-04-06 23:22	19.3	Light A - Dixie	4.96	21.34	11585	3337	12892	-3468	700	-2660	44	46	92	2296
2024-04-07 4:22	2024-04-06 23:22	19	Light A - Dixie	4.97	21.34	12135	3815	10682	-3681	135	-2578	50.1	39.9	88	1110
2024-04-07 4:22	2024-04-06 23:22	19	Light A - Dixie	4.96	21.55	8846	560	15112	-3609	41	-2698	33.2	56.8	153	966
2024-04-07 4:22	2024-04-06 23:22	19	Light A - Dixie	4.96	21.55	9803	-44	13152	-3642	-54	-2676	40.1	49.9	159	1344
2024-04-07 4:22	2024-04-06 23:22	19	Light A - Dixie	4.96	21.55	9576	317	14514	-3628	-495	-2725	36.5	53.5	199	1665
2024-04-07 4:22	2024-04-06 23:22	19	Light A - Dixie	4.96	21.55	9583	457	14559	-3620	-713	-2716	36.4	53.6	215	963
2024-04-07 4:22	2024-04-06 23:22	19	Light A - Dixie	4.96	21.52	9832	1531	14239	-3332	-1045	-2963	37.5	52.5	241	2002
2024-04-07 4:22	2024-04-06 23:22	19	Light A - Dixie	4.96	21.52	8537	-2272	15112	-2798	-755	-3458	32.1	57.9	260	810
2024-04-07 4:22	2024-04-06 23:22	19	Light A - Dixie	4.96	21.52	9571	-1039	13408	-2569	-760	-3586	38.9	51.1	294	1453
2024-04-07 4:22	2024-04-06 23:22	19	Light A - Dixie	4.96	21.52	9317	-2290	14513	-2034	-424	-3865	35.5	54.5	304	2450
2024-04-07 4:22	2024-04-06 23:22	19	Light A - Dixie	4.96	21.55	9379	-258	15529	-1970	-107	-3901	34	56	7	2500
2024-04-07 4:22	2024-04-06 23:22	19	Light A - Dixie	4.97	21.55	11160	533	11837	-2263	42	-3776	47	43	24	1346
2024-04-07 4:22	2024-04-06 23:22	19	Light A - Dixie	4.96	21.55	10190	-367	13468	-2391	451	-3653	40.5	49.5	46	1464
2024-04-07 4:22	2024-04-06 23:22	19	Light A - Dixie	4.96	21.55	10201	-732	14161	-2732	936	-3282	39	51	73	1950
2024-04-07 4:22	2024-04-06 23:22	19	Light A - Dixie	4.96	21.37	10741	2603	11796	-3115	523	-3107	45	45	78	2254
2024-04-07 4:22	2024-04-06 23:22	19	Light A - Dixie	4.96	21.37	10491	-737	13969	-3379	509	-2844	40.2	49.8	108	1518
2024-04-07 4:22	2024-04-06 23:22	19	Light A - Dixie	4.96	21.37	10839	-1245	13449	-3715	241	-2500	42.2	47.8	157	2540
2024-04-07 4:22	2024-04-06 23:22	19	Light A - Dixie	4.96	21.37	12028	1444	11347	-4036	-450	-2095	50	40	149	2828
2024-04-07 4:22	2024-04-06 23:22	18.6	Light A - Dixie	4.96	21.52	11606	1558	12463	-3992	-803	-2156	46.1	43.9	219	1926
2024-04-07 4:23	2024-04-06 23:23	18.6	Light A - Dixie	4.97	21.52	12377	-341	10873	-3749	-1006	-2481	52.6	37.4	282	900
2024-04-07 4:23	2024-04-06 23:23	18.6	Light A - Dixie	4.96	21.52	10921	2002	11578	-3379	-1372	-2795	46.4	43.6	297	743
2024-04-07 4:23	2024-04-06 23:23	18.6	Light A - Dixie	4.96	21.52	11308	1664	11164	-2883	-1448	-3179	48.7	41.3	325	1738
2024-04-07 4:23	2024-04-06 23:23	18.6	Light A - Dixie	4.96	21.36	13127	3473	9874	-3098	-1019	-3169	54.7	35.3	30	791
2024-04-07 4:23	2024-04-06 23:23	18.6	Light A - Dixie	4.96	21.36	12938	1710	12102	-2977	-208	-3360	50	40	39	2207
2024-04-07 4:23	2024-04-06 23:23	18.6	Light A - Dixie	4.96	21.36	12849	-1849	11490	-2690	421	-3479	51.6	38.4	3	4022
2024-04-07 4:23	2024-04-06 23:23	18.6	Light A - Dixie	4.96	21.36	11028	2870	12337	-2970	291	-3292	44.2	45.8	75	2150
2024-04-07 4:23	2024-04-06 23:23	18.6	Light A - Dixie	4.96	21.51	10780	178	13062	-3204	688	-2956	43	47	82	1362
2024-04-07 4:23	2024-04-06 23:23	18.6	Light A - Dixie	4.96	21.51	10900	1148	12971	-3450	718	-2667	43.3	46.7	94	1257
2024-04-07 4:23	2024-04-06 23:23	18.6	Light A - Dixie	4.96	21.51	11760	1818	13001	-3680	282	-2546	45.1	44.9	102	1735
2024-04-07 4:23	2024-04-06 23:23	18.6	Light A - Dixie	4.96	21.51	11746	301	12529	-3943	-303	-2257	46.7	43.3	185	2942
2024-04-07 4:23	2024-04-06 23:23	18.6	Light A - Dixie	4.96	21.54	10751	-961	14144	-3771	-854	-2497	40.5	49.5	243	1113
2024-04-07 4:23	2024-04-06 23:23	18.3	Light A - Dixie	4.96	21.54	9648	-1527	17691	-3437	-1272	-2786	31.1	58.9	245	2996
2024-04-07 4:23	2024-04-06 23:23	18.3	Light A - Dixie	4.96	21.54	8894	-1128	14393	-2575	-688	-3593	34.8	55.2	278	5876
2024-04-07 4:23	2024-04-06 23:23	18.3	Light A - Dixie	4.96	21.54	10013	-2367	14584	-2106	-87	-3848	37.3	52.7	321	1951
2024-04-07 4:23	2024-04-06 23:23	18.3	Light A - Dixie	4.96	21.5	10643	-5360	13050	-2225	172	-3781	40.4	49.6	301	1179
2024-05-07 4:02	2024-05-06 23:02	18	Light C - Tote	4.97	22.91	-5373	2926	20227	223	666	-3869	-17.4	107.4	107	3789
2024-05-07 4:02	2024-05-06 23:02	18	Light C - Tote	4.97	22.91	3938	-1431	15099	-871	993	-3942	16.6	73.4	61	3251
2024-05-07 4:02	2024-05-06 23:02	18													

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.55	8514	-4233	12171	-3395	434	-2750	37	53	232	2563
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.55	7841	-6267	14037	-3156	386	-3031	29.8	60.2	239	2398
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.62	8127	-3535	14990	-2893	28	-3332	30.7	59.3	239	1130
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.62	7344	-5174	15545	-2777	-2	-3414	26.7	63.3	242	915
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.62	8296	-3518	15329	-2560	-98	-3568	30.7	59.3	258	1326
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.62	8023	-2584	15184	-2222	-306	-3750	30.4	59.6	277	1952
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.49	7688	-5837	16134	-1815	196	-3893	26.6	63.4	282	1954
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.49	9115	-4113	13515	-1916	483	-3817	36.1	53.9	329	2238
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.49	9504	-3889	14414	-1857	725	-3787	35.6	54.4	356	951
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.99	21.49	9185	-2533	13024	-1863	1107	-3661	38.2	51.8	33	1841
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.31	10930	-3765	14137	-2128	1243	-3476	40	50	28	2572
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.31	8842	-5386	14011	-2210	1612	-3215	33.5	56.5	38	1615
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.96	21.31	10773	-3600	13316	-2667	1544	-2906	41.4	48.6	56	2453
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.31	11123	-5062	10789	-3080	1425	-2564	46.8	43.2	14	1481
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.39	10364	-4033	13160	-3235	1400	-2381	40.4	49.6	103	1960
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.39	12760	-3980	9128	-3547	858	-2325	56.1	33.9	327	2235
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.39	10785	-5484	12761	-3479	635	-2558	41.2	48.8	241	1925
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.39	11570	-3472	12700	-3480	283	-2708	44.9	45.1	263	2690
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.96	21.6	9426	-4037	13062	-3321	-22	-2947	38	52	254	2535
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.6	8836	-4896	13865	-2913	21	-3317	34.1	55.9	260	1865
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.96	21.6	10394	-3164	12181	-2895	-87	-3341	43.3	46.7	294	2947
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.6	10096	-4954	13203	-2449	237	-3600	38.9	51.1	295	1676
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.32	12302	-3626	12736	-2388	439	-3605	46.4	43.6	337	2126
2024-05-07 4:03	2024-05-06 23:03	17.7	Light C - Tote	4.97	21.32	8677	-4409	13814	-2017	702	-3731	34.1	55.9	333	1699
2024-05-07 4:03	2024-05-06 23:03	17.4	Light C - Tote	4.97	21.32	9712	-2720	13862	-1996	902	-3679	37.8	52.2	27	1771
2024-05-07 4:03	2024-05-06 23:03	17.4	Light C - Tote	4.97	21.22	9431	-3699	15020	-2019	1112	-3592	34.4	55.6	35	1318
2024-05-07 4:03	2024-05-06 23:03	17.4	Light C - Tote	4.97	21.22	10307	-2817	14248	-2173	1391	-3379	38.6	51.4	48	863
2024-05-07 4:03	2024-05-06 23:03	17.4	Light C - Tote	4.97	21.22	8609	-5016	13760	-2402	1464	-3173	33.6	56.4	46	1654
2024-05-07 4:03	2024-05-06 23:03	17.4	Light C - Tote	4.97	21.32	8769	-3474	13500	-2714	1582	-2834	35.5	54.5	83	1983
2024-05-07 4:03	2024-05-06 23:03	17.4	Light C - Tote	4.97	21.32	10728	-4108	12868	-3058	1255	-2708	42	48	69	1978
2024-05-07 4:03	2024-05-06 23:03	17.4	Light C - Tote	4.97	21.32	9111	-4393	14732	-3313	754	-2719	33.7	56.3	183	761
2024-05-07 4:03	2024-05-06 23:03	17.4	Light C - Tote	4.97	21.32	10896	-3189	12910	-3412	335	-2769	42.9	47.1	252	2166
2024-05-07 4:03	2024-05-06 23:03	17.4	Light C - Tote	4.96	21.32	8399	-5063	15618	-3258	-2	-3008	29.8	60.2	235	827
2024-05-07 4:03	2024-05-06 23:03	17.4	Light C - Tote	4.97	21.6	9339	-4162	13995	-2994	-209	-3267	35.8	54.2	263	1498
2024-05-07 4:03	2024-05-06 23:03	17.4	Light C - Tote	4.97	21.6	9690	-3257	12696	-2704	-219	-3484	40.1	49.9	288	1967
2024-05-07 4:03	2024-05-06 23:03	17.4	Light C - Tote	4.97	21.6	9872	-5196	14936	-2245	258	-3706	35	55	293	1548
2024-05-07 4:03	2024-05-06 23:03	17.4	Light C - Tote	4.97	21.26	10104	-3373	12717	-2149	559	-3694	41.1	48.9	346	1422
2024-05-07 4:03	2024-05-06 23:03	17.4	Light C - Tote	4.97	21.26	9565	-6326	14024	-1970	921	-3687	34.9	55.1	321	2395
2024-05-07 4:03	2024-05-06 23:03	17.4	Light C - Tote	4.97	21.26	11384	-4738	12657	-2261	1196	-3417	43.6	46.4	1	812
2024-05-07 4:03	2024-05-06 23:03	17.4	Light C - Tote	4.97	21.28	9121	-4065	13198	-2330	1513	-3192	36.8	53.2	44	2329
2024-05-07 4:03	2024-05-06 23:03	17.4	Light C - Tote	4.96	21.28	10690	-3775	13381	-2667	1566	-2881	41	49	57	1960
2024-05-07 4:04	2024-05-06 23:04	17.4	Light C - Tote	4.97	21.28	11557	-4402	13649	-3107	1334	-2590	42.2	47.8	79	1606
2024-05-07 4:04	2024-05-06 23:04	17.4	Light C - Tote	4.97	21.28	10590	-5285	14042	-3299	1173	-2470	38.4	51.6	147	2747
2024-05-07 4:04	2024-05-06 23:04	17.4	Light C - Tote	4.97	21.28	11087	-3517	14486	-3473	806	-2461	46.5	43.5	113	2613
2024-05-07 4:04	2024-05-06 23:04	17.4	Light C - Tote	4.97	21.55	10796	-4850	13841	-3584	292	-2554	39.6	50.4	234	1801
2024-05-07 4:04	2024-05-06 23:04	17.4	Light C - Tote	4.97	21.55	10517	-3350	12385	-3473	-115	-2790	43	47	262	1403
2024-05-07 4:04	2024-05-06 23:04	17.4	Light C - Tote	4.97	21.55	11451	-4600	11218	-3310	-216	-2975	47.1	42.9	281	2052
2024-05-07 4:04	2024-05-06 23:04	17.4	Light C - Tote	4.97	21.55	12283	-3114	12030	-3323	-305	-2957	48.4	41.6	289	3176
2024-05-07 4:04	2024-05-06 23:04	17.4	Light C - Tote	4.96	21.46	13563	-2382	9453	-3316	-265	-2972	58.4	31.6	313	1773
2024-05-07 4:04	2024-05-06 23:04	17.4	Light C - Tote	4.97	21.46	13391	-2996	10283	-3146	95	-3106	55.3	34.7	320	2936
2024-05-07 4:04	2024-05-06 23:04	17.4	Light C - Tote	4.97	21.46	15286	-3249	8757	-2986	807	-3033	62.4	27.6	347	1786
2024-05-07 4:04	2024-05-06 23:04	17.4	Light C - Tote	4.97	21.46	12834	-4181	11026	-3122	989	-2811	51.2	38.8	350	1290
2024-05-07 4:04	2024-05-06 23:04	17.4	Light C - Tote	4.97	21.51	15757	-2362	6002	-3560	1051	-2157	71.7	18.3	4	2284
2024-05-07 4:04	2024-05-06 23:04	17	Light C - Tote	4.97	21.51	15045	-2097	7089	-3826	1094	-1483	67.9	22.1	58	3347
2024-05-07 4:04	2024-05-06 23:04	17	Light C - Tote	4.96	21.51	15366	-2361	6155	-3968	944	-1229	70.8	19.2	47	1000
2024-05-07 4:04	2024-05-06 23:04	17	Light C - Tote	4.97	21.51	14600	-1549	8759	-3955	794	-1487	62.7	27.3	78	2350
2024-05-07 4:04	2024-05-06 23:04	17	Light C - Tote	4.96	21.51	13178	-2407	11072	-4009	509	-1609	53.2	36.8	136	2952
2024-05-07 4:04	2024-05-06 23:04	17	Light C - Tote	4.97	21.78	13726	-1744	9773	-4006	351	-1717	58.1	31.9	90	2792
2024-05-07 4:04	2024-05-06 23:04	17	Light C - Tote	4.97	21.78	12203	-3259	10770	-4004	9	-1908	51.3	38.7	250	1756
2024-05-07 4:04	2024-05-06 23:04	17	Light C - Tote	4.97	21.78	13377	-2772	8412	-3903	-145	-2153	60.7	29.3	289	1549
2024-05-07 4:04	2024-05-06 23:04	17	Light C - Tote	4.97	21.78	11216	-3867	11812	-3619	-252	-2621	45.8	44.2	264	606
2024-05-07 4:04	2024-05-06 23:04	17	Light C - Tote	4.97	21.78	13463	-3048	12153	-3512	-336	-2756	50.7	39.3	285	1177
2024-05-07 4:04	2024-05-06 23:04	17	Light C - Tote	4.97	21.58	11313	-3228	11337	-3150	-204	-3132	47.7	42.3	294	2676
2024-05-07 4:04	2024-05-06 23:04	17	Light C - Tote	4.97	21.58	12756	-3973	12260	-2929	91	-3304	48.3	41.7	306	1226
2024-05-07 4:04	2024-05-06 23:04	17	Light C - Tote	4.97	21.58	12086	-3545	11420	-2592	447	-3481	49.1	40.9	333	1718
2024-05-07 4:04	2024-05-06 23:04	17	Light C - Tote	4.97	21.26	9706	-525	13274	-2126	625	-3691	39.6	50.4	44	781
2024-05-07 4:04	2024-05-06 23:04	17	Light C - Tote	4.97	21.26	9207	-2789	13621	-1980	997	-3650	36.9	53.1	31	911
2024-05-07 4:04	2024-05-06 23:04	17	Light C - Tote	4.97	21.26	8604	-2370	14969	-2059	1081	-3577	32.6	57.4	59	3377
2024-05-07 4:04	2024-05-06 23:04	17	Light C - Tote	4.97	21.26	7861	-2545	16217	-2064	1334	-3463	28.2	61.8	79	1888
2024-05-07 4:04	2024-05-06 23:04	17	Light C - Tote	4.97	21.26	7593	-3124	15453	-2248	1226	-3418	28.5	61.5	86	2033
2024-05-07 4:04	2024-05-06 23:04	17	Light C - Tote	4.97	21.26	7758	-2212	15488	-2498	1207	-3260	29.2	60.8	97	2781
2024-05-07 4:04	2024-														

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.97	22.24	4333	-3791	15665	-474	0	-3948	17	73	322	4657
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.97	22.24	2235	-1694	16122	-402	205	-3919	9.1	80.9	5	4105
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.96	22.24	4518	-4084	18410	-379	834	-3791	15.6	74.4	13	3468
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.97	22.24	4947	-2758	16541	-789	1013	-3733	18.5	71.5	42	1232
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.97	22.24	3502	-1698	16885	-1319	1305	-3518	13.3	76.7	95	1515
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.96	22.24	3039	-1143	18271	-1980	987	-3412	11	79	130	5072
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.97	22.61	4788	-2924	18701	-2414	812	-3229	16.6	73.4	153	1005
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.97	22.61	6438	-2640	15526	-2585	344	-3314	24.8	65.2	187	2018
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.97	22.61	4754	-2581	16546	-2424	-231	-3506	17.8	72.2	216	1503
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.97	22.61	3400	-3022	17034	-1985	-201	-3733	12.7	77.3	219	1936
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.97	22.61	4951	-2911	16664	-1815	-338	-3783	18.3	71.7	248	1615
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.97	22.61	5179	-1629	15435	-1745	-589	-3787	20.7	69.3	263	1612
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.97	22.61	7775	-2388	14418	-1868	-466	-3741	31	59	295	2198
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.97	22.17	6202	-3217	16043	-1494	-254	-3870	23.1	66.9	288	2207
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.97	22.17	6799	-3331	16983	-1302	26	-3914	23.8	66.2	315	2384
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.96	22.17	7509	-1730	15667	-1350	218	-3873	28.2	61.8	3	2325
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.96	21.2	7371	-1986	16037	-1379	597	-3806	27.1	62.9	30	2452
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.96	21.2	8384	-1924	14653	-1540	1055	-3609	32.6	57.4	43	3062
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.97	21.2	7741	-2809	14590	-1801	1202	-3414	30.5	59.5	53	2203
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.96	21.2	7296	-1959	14480	-2139	1179	-3219	29.5	60.5	78	4129
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.97	21.2	2205	3590	18698	-12668	4496	422	7.9	82.1	81	1970
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.97	21.2	7202	-3140	15804	-2775	689	-2983	26.7	63.3	161	1556
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.97	21.77	6800	-2124	15660	-2910	204	-3075	25.9	64.1	186	3138
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.96	21.77	8239	211	14813	-3108	-431	-2990	32	58	198	2360
2024-05-07 4:30	2024-05-06 23:30	18	Light D - Teardrop	4.97	21.77	8068	-1326	15540	-2815	-788	-3198	30.2	59.8	250	1088
2024-05-07 4:30	2024-05-06 23:30	17.7	Light D - Teardrop	4.96	21.77	7317	-1537	14431	-2205	-616	-3588	29.7	60.3	275	3484
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.77	7859	-2848	16194	-1926	-462	-3729	28.2	61.8	282	2051
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.8	7247	-1979	13912	-1572	-117	-3854	30.3	59.7	326	762
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.8	7479	-1409	14050	-1441	280	-3838	31	59	10	1204
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.96	21.8	8714	-3572	15750	-1484	1001	-3646	28.5	61.5	30	2388
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.25	7701	-2822	14918	-1733	1056	-3508	32.8	57.2	39	1816
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.96	21.25	9802	-415	14733	-2354	1067	-3113	36.7	53.3	70	1145
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.25	9247	-1330	14203	-2858	962	-2694	36.2	53.8	98	1017
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.25	10240	-1824	14517	-2960	722	-2796	38.2	51.8	96	1487
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.25	9252	-3822	14621	-3238	288	-2687	34.6	55.4	216	2119
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.62	7009	-2259	13453	-3038	-166	-2997	30.3	59.7	227	4055
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.62	8816	-1736	14536	-2888	-505	-3147	34.2	55.8	258	1600
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.62	7236	-2231	14049	-2456	-567	-3473	30	60	264	1459
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.62	8083	-1871	13950	-2038	-299	-3676	33	57	304	780
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.96	21.64	7597	-1249	14513	-1910	-236	-3733	30.5	59.5	316	1864
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.64	7908	-2748	15582	-1671	145	-3806	29.3	60.7	329	3007
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.64	8592	-3192	14737	-1572	434	-3778	32.7	57.3	349	2943
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.16	8438	-2014	15169	-1733	834	-3590	31.8	58.2	43	2439
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.16	8382	-1017	13967	-2111	880	-3362	34.1	55.9	62	1332
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.16	10202	-1637	14211	-2424	974	-3119	38.8	51.2	57	846
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.16	10546	311	13717	-2951	808	-2740	40.8	49.2	86	1457
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.16	9464	-2960	14301	-3052	759	-2608	36.2	53.8	135	1157
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.96	21.54	10215	-2942	14758	-3107	766	-2614	37.3	52.7	129	2164
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.54	8688	-2775	14967	-3230	247	-2695	32.7	57.3	195	1629
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.96	21.54	7936	-3162	15725	-3093	113	-2910	29.1	60.9	210	1921
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.54	9137	-2139	14212	-3209	-380	-2872	35.7	54.3	243	2865
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.96	21.54	8598	-4244	15509	-3016	-406	-3078	31	59	251	4218
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.79	9958	-3321	13949	-2800	-484	-3236	38.1	51.9	277	1359
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.96	21.79	11453	-3100	12324	-2785	-604	-3249	45.7	44.3	294	1756
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.79	11629	-2226	12624	-2676	-335	-3327	45.9	44.1	311	1893
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.79	12647	-2246	11163	-2646	-1	-3308	51.9	38.1	333	914
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.4	13743	-5912	12227	-2591	775	-3151	48.7	41.3	322	4786
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.96	21.4	12817	-3770	8390	-2701	899	-2947	58.5	31.5	340	2034
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.4	12975	-2553	10568	-2908	1276	-2433	54	36	44	1707
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.96	21.4	13400	-3070	10568	-3102	1230	-2229	54.5	35.5	47	1121
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.54	13211	-3502	9335	-3547	1004	-1649	57	33	73	2551
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.54	13198	-2337	9844	-3789	612	-1460	56.6	33.4	114	2126
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.54	12820	-2376	11568	-3911	-69	-1699	51.1	38.9	232	2539
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.96	21.54	2146	3590	18442	-10675	4562	420	7.7	82.3	81	-2377
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.54	12523	-2003	12079	-3284	-628	-2791	49.4	40.6	289	1358
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.96	21.69	11137	-3682	11959	-2919	-388	-3163	45.4	44.6	290	2487
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.69	13273	-1592	11485	-2711	-393	-3286	52.6	37.4	327	2409
2024-05-07 4:31	2024-05-06 23:31	17.7	Light D - Teardrop	4.97	21.69	11016	-3761	13929	-2233	89	-3573	40.7	49.3	315	1988
2024-05-07 4:31	2024-05-06 23:31	17.4	Light D - Teardrop	4.97	21.26	11028	-3125	12304	-2110	662	-3470	44.7	45.3	357	2085
2024-05-07 4:31	2024-05-06 23:31	17.4	Light D - Teardrop	4.97	21.26	11175	-4993	13747	-2299	1275	-3063	40.7	49.3	10	1643
2024-05-07 4:31	2024-05-06 23:31	17.4	Light D - Teardrop	4.97	21.26	10722	-3709	12232	-2544	1515	-2697	43.7	46.3	47	1669
2024															

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2024-05-07 4:32	2024-05-06 23:32	17.4	Light D - Teardrop	4.97	21.66	11556	-3023	10509	-3542	-558	-2513	50.7	39.3	276	1270
2024-05-07 4:32	2024-05-06 23:32	17	Light D - Teardrop	4.97	21.66	12599	-2313	10332	-3293	-674	-2800	54	36	295	1011
2024-05-07 4:32	2024-05-06 23:32	17	Light D - Teardrop	4.96	21.66	15671	-1281	7288	-3735	-644	-2196	68.7	21.3	306	2062
2024-05-07 4:32	2024-05-06 23:32	17	Light D - Teardrop	4.97	21.66	15511	-1603	5549	-3737	-386	-2173	73.7	16.3	309	1398
2024-05-07 4:32	2024-05-06 23:32	17	Light D - Teardrop	4.96	21.66	15608	-1843	4443	-3572	443	-2180	76.9	13.1	331	1441
2024-05-07 4:32	2024-05-06 23:32	17	Light D - Teardrop	4.97	21.68	15841	-831	6910	-3622	808	-1736	70.2	19.8	52	928
2024-05-07 4:32	2024-05-06 23:32	17	Light D - Teardrop	4.96	21.68	13850	-1820	8511	-3608	965	-1624	62	28	70	943
2024-05-07 4:32	2024-05-06 23:32	17	Light D - Teardrop	4.97	21.68	14978	-1669	7122	-3857	671	-1298	68.1	21.9	63	3399
2024-05-07 4:32	2024-05-06 23:32	17	Light D - Teardrop	4.96	21.68	13560	-3330	10132	-3964	132	-1399	55.7	34.3	239	1576
2024-05-07 4:32	2024-05-06 23:32	17	Light D - Teardrop	4.96	21.79	13262	-3714	11784	-3648	-664	-2332	50.7	39.3	270	1564
2024-05-07 4:32	2024-05-06 23:32	17	Light D - Teardrop	4.97	21.79	12560	-2514	10243	-3407	-614	-2655	54	36	290	3010
2024-05-07 4:32	2024-05-06 23:32	17	Light D - Teardrop	4.96	21.79	12423	-1781	10365	-3110	-548	-2957	53.8	36.2	309	2526
2024-05-07 4:32	2024-05-06 23:32	17	Light D - Teardrop	4.96	21.79	12373	-2446	11386	-2802	-157	-3233	50.6	39.4	320	1322
2024-05-07 4:32	2024-05-06 23:32	17	Light D - Teardrop	4.97	21.52	11067	5560	14296	-2653	-825	-3254	38.2	51.8	72	2626
2024-05-07 4:32	2024-05-06 23:32	17	Light D - Teardrop	4.97	21.52	5569	5003	16215	-2236	-1803	-3090	19.9	70.1	220	3073
2024-05-07 4:32	2024-05-06 23:32	17	Light D - Teardrop	4.96	21.52	2901	13185	14987	-1481	-2837	-2358	8.9	81.1	177	7789
2024-05-07 4:32	2024-05-06 23:32	17	Light D - Teardrop	4.97	21.52	8711	7349	12659	-2238	-2718	-2212	32.8	57.2	296	8113
2024-05-07 4:32	2024-05-06 23:32	17	Light D - Teardrop	4.96	21.52	9711	6731	10945	-2802	-2637	-1817	39.4	50.6	283	3335
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.96	21.69	15547	-1303	5806	-3604	-159	-2559	73.2	16.8	330	687
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.96	21.69	14753	-2377	6163	-3527	263	-2565	70.1	19.9	324	778
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.96	21.69	14575	-980	9390	-3299	618	-2722	61	29	28	3008
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.96	21.69	14157	-2751	6244	-3378	1059	-2335	68.5	21.5	354	3663
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.97	21.73	14689	-3286	8576	-3364	1129	-2302	61.9	28.1	12	823
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.96	21.73	15321	-1052	5330	-3514	892	-2242	74.6	15.4	23	1118
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.96	21.73	15411	-2437	7800	-3568	1128	-1922	66	24	37	3457
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.96	21.73	15323	-2803	6949	-3653	1076	-1777	67.9	22.1	22	1090
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.96	21.73	15970	-3659	6572	-3728	1164	-1484	68.5	21.5	12	1788
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.96	21.81	15952	-2170	6856	-3900	909	-1289	69.7	20.3	56	2123
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.97	21.81	13449	-3168	10618	-3897	846	-1365	54.4	35.6	115	2084
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.96	21.81	2566	3590	18698	-4675	4360	386	9.1	80.9	81	-1977
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.96	21.81	15591	-466	7727	-4107	440	-1055	67.5	22.5	86	3477
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.96	21.81	14749	-2996	8747	-4138	284	-1126	61.9	28.1	233	1647
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.96	21.81	14484	-1934	8378	-4177	-100	-1273	63.4	26.6	266	4154
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.96	21.84	14570	-903	8010	-4165	-160	-1323	65.2	24.8	282	1580
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.97	21.84	14843	-2375	9307	-4181	-397	-1380	61	29	266	1597
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.96	21.84	14016	-2070	7531	-4121	-397	-1588	65.1	24.9	281	1704
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.97	21.84	14712	-3372	8597	-4066	-403	-1709	61.8	28.2	276	1147
2024-05-07 5:03	2024-05-07 0:03	12.2	Light B - Tuzyk	4.96	21.84	14649	-2833	8583	-4004	-597	-1897	62.3	27.7	281	1855
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.79	14634	-2988	8670	-3928	-658	-2053	61.9	28.1	282	1638
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.79	14527	-3232	8811	-3835	-587	-2221	61.1	28.9	284	2200
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.79	14629	-1612	8517	-3756	-657	-2363	63.4	26.6	299	2114
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.79	13848	-1557	10471	-3569	-481	-2623	56.5	33.5	302	2487
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.97	21.79	13272	-2978	10277	-3217	-248	-3029	55.1	34.9	307	2289
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.69	12958	-616	10765	-3116	-193	-3115	54.1	35.9	350	2096
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.97	21.69	12997	-1909	10753	-3101	181	-3081	53.9	36.1	344	2378
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.69	12913	-2045	9623	-2859	234	-3282	56.8	33.2	344	2339
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.69	12530	-2700	11572	-2823	469	-3261	50.3	39.7	348	3118
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.53	12805	-1645	11365	-2835	502	-3228	51.9	38.1	11	2842
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.99	21.53	13051	-2750	12185	-2804	711	-3188	49.9	40.1	6	1824
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.53	12737	-1796	10606	-2893	1020	-2954	53.8	36.2	32	2951
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.97	21.53	13096	-1668	11492	-3004	1014	-2847	52.2	37.8	43	2503
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.53	12933	-1285	10936	-3094	962	503	53.5	36.5	90	1661
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.97	21.57	13343	-3512	10265	-3077	1220	-2611	54.8	35.2	20	1712
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.57	13108	-1993	9962	-3181	1142	-2558	56.3	33.7	43	2238
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.97	21.57	14792	-4867	8923	-3233	1281	-2359	59.2	30.8	348	1102
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.57	13408	-2475	9195	-3353	1303	-2146	58.8	31.2	51	2453
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.97	21.63	14127	-4454	10769	-3463	1337	-1913	54.1	35.9	64	3427
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.63	13444	-3422	10341	-3658	1118	-1736	54.9	35.1	87	1883
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.63	13923	-2079	9020	-3803	898	-1631	60.5	29.5	76	2769
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.63	13663	-2264	12320	-3849	777	-1629	51.1	38.9	114	1966
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.97	21.63	13514	-4525	10527	-3892	740	-1531	53.4	36.6	182	3397
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.63	13760	-3393	9889	-3964	476	-1582	56.7	33.3	226	1733
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.79	13920	-2648	10503	-4013	306	-1563	56	34	205	3820
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.79	12713	-3704	10039	-4051	132	-1586	53.9	36.1	246	1158
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.97	21.79	14336	-3281	8851	-4118	-180	-1527	60.6	29.4	269	1425
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.79	14943	-1945	8713	-4071	-311	-1698	63.1	26.9	283	631
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.79	14325	-3222	9728	-4063	-501	-1748	58.3	31.7	271	3452
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.76	13943	-3751	10474	-3916	-534	-2071	55.2	34.8	272	2189
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.76	12668	-2117	12021	-31390	4352	386	49.8	40.2	89	2056
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.96	21.76	13058	-3808	9502	-3649	-551	-2508	55.9	34.1	281	1748
2024-05-07 5:04	2024-05-07 0:04	12.2	Light B - Tuzyk	4.97	21.76	13650	-3521	12362	-3457	-537	-2769	50.3	39.7	282	1175

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.97	21.66	12037	-3396	11449	-3137	-474	-3091	49	41	292	1541
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.97	21.66	11455	-3233	13608	-2848	-266	-3334	42.7	47.3	292	1222
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.66	10666	-3508	14302	-2439	-173	-3608	39.2	50.8	297	914
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.66	10487	-2797	13263	-2400	6	-3624	41.2	48.8	317	2408
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.35	10534	-3113	13518	-2211	216	-3697	40.6	49.4	330	1379
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.35	10602	-4346	13700	-2149	445	-3680	39.7	50.3	325	1421
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.97	21.35	11231	-2341	12609	-2244	592	-3595	44.9	45.1	7	2107
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.27	10694	-4576	15386	-2229	774	-3558	36.7	53.3	348	1738
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.27	10940	-3926	12865	-2250	1204	-3369	42.6	47.4	16	2842
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.27	11160	-4663	12244	-2284	1314	-3290	44	46	5	2308
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.27	11928	-2935	13801	-2309	1425	-3201	43.6	46.4	41	2210
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.41	10719	-3340	12921	-2671	1379	-2934	42.3	47.7	50	2668
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.41	11938	-2867	11768	-2847	1346	-2777	48.4	41.6	45	1374
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.41	10468	-3051	14808	-2975	1275	-2703	37.9	52.1	93	2038
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.41	11514	-3486	11490	-3179	1215	-2496	47.6	42.4	58	2271
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.41	11653	-2864	11617	-3370	1030	-2370	48.1	41.9	78	1940
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.73	11643	-2623	12940	-3431	855	-2401	45	45	103	1974
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.73	10920	-3965	12353	-3497	752	-2357	43.7	46.3	182	1688
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.97	21.73	10739	-5005	12640	-3544	616	-2370	41.8	48.2	225	2687
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.73	11165	-3747	14277	-3628	350	-2365	40.4	49.6	205	2625
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.73	11555	-4048	12212	-3682	187	-2326	45.6	44.4	245	1485
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.76	11366	-4659	13617	-3662	4	-2419	41.6	48.4	243	3011
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.76	11721	-3136	11151	-3613	-378	-2559	49.3	40.7	272	1316
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.76	10974	-2785	13781	-3443	-514	-2774	41.4	48.6	259	2612
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.76	10290	-3258	13612	-3214	-508	-3007	39.7	50.3	267	3075
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.76	10697	-3743	13470	-2970	-537	-3231	40.8	49.2	278	1228
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.68	9789	-3463	14341	-2578	-696	-3485	36.8	53.2	279	3982
2024-05-07 5:05	2024-05-07 0:05	12.2	Light B - Tuzyk	4.96	21.68	10747	-972	27221	-3311	-769	-2888	33.8	56.2	235	17120
2024-05-07 5:21	2024-05-07 0:21	18.6	Light A - Dixie	4.97	21.79	15359	-299	5106	-4016	-1127	-1802	75.7	14.3	307	655
2024-05-07 5:21	2024-05-07 0:21	18.6	Light A - Dixie	4.96	21.79	14444	-6118	10993	-3737	-431	-2430	52.3	37.7	272	3915
2024-05-07 5:21	2024-05-07 0:21	18.6	Light A - Dixie	4.97	21.79	13322	-1576	10499	-3597	-663	-2612	55.4	34.6	293	2921
2024-05-07 5:21	2024-05-07 0:21	18.6	Light A - Dixie	4.96	21.79	13476	-2291	10105	-3496	-370	-2750	56.4	33.6	301	1694
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.97	21.74	13457	-2045	9471	-3368	-309	-2908	58.3	31.7	314	2178
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.97	21.74	14323	-1529	9217	-3273	-150	-3008	60.9	29.1	335	1225
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.96	21.74	13842	-2430	8524	-3296	77	-2951	61.5	28.5	326	3250
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.96	21.74	13553	-2284	8989	-3174	260	-3027	59.8	30.2	338	2435
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.97	21.74	14321	-1235	9112	-3077	364	-3102	61.3	28.7	4	3138
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.96	21.65	13989	-3684	9476	-3066	690	-2987	57.9	32.1	336	2686
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.97	21.65	14436	-3054	9061	-3063	708	-2983	60.4	29.6	346	2759
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.96	21.65	13307	-1921	10482	-3014	804	-2976	55.3	34.7	20	1717
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.97	21.65	13037	-4928	10066	-2918	1290	-2807	53.1	36.9	348	1793
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.97	21.62	13734	-3352	10625	-3014	1271	-2698	54.8	35.2	24	1519
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.97	21.62	13243	-3943	9763	-3033	1408	-2569	55.4	34.6	17	2989
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.96	21.62	13644	-4883	8829	-3101	1565	-2317	57.3	32.7	5	2762
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.97	21.62	13944	-2809	9865	-3107	1583	-2299	57.6	32.4	48	2839
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.97	21.62	13847	-5149	9938	-3183	1557	-2210	54.7	35.3	21	3216
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.96	21.62	13326	-4469	9786	-3259	1489	-2162	54.9	35.1	34	1469
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.96	21.62	12492	-1437	11175	-3269	1477	-2149	51.8	38.2	77	1428
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.96	21.62	12974	-4557	8951	-3319	1582	-1943	56.2	33.8	39	1308
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.96	21.62	12384	-4863	11003	-3388	1516	-1903	49.5	40.5	82	1643
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.97	21.6	12944	-2777	9747	-3492	1364	-1856	56	34	73	1925
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.96	21.6	12446	-5227	10874	-3543	1379	-1739	49.6	40.4	104	2133
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.97	21.6	12525	-4280	9099	-3694	1176	-1638	55.3	34.7	88	1259
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.96	21.6	13394	-3733	9788	-3861	868	-1569	55.9	34.1	110	2028
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.97	21.6	12252	-3448	10827	-3902	695	-1635	51.1	38.9	150	2349
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.97	21.72	12957	-4291	9943	-3937	574	-1660	54	36	235	1270
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.97	21.72	12022	-6192	11005	-3976	382	-1714	47.1	42.9	239	2646
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.96	21.72	13422	-3562	10431	-4052	-139	-1766	54.5	35.5	260	1315
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.97	21.72	13022	-2730	10113	-4021	-271	-1880	55.2	34.8	266	905
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.96	21.72	12770	-3091	11085	-3996	-382	-1998	51.8	38.2	262	1667
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.96	21.77	12745	-2315	12212	-3861	-633	-2213	49.4	40.6	262	2795
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.96	21.77	12125	-1484	11635	-3733	-664	-2436	49.8	40.2	269	1079
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.97	21.77	12244	-3382	11663	-3520	-676	-2723	49	41	277	2482
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.96	21.77	12278	-3885	11765	-3353	-593	-2911	48.4	41.6	281	2140
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.97	21.77	12456	-2374	11377	-3183	-535	-3087	50.8	39.2	301	1460
2024-05-07 5:21	2024-05-07 0:21	18.3	Light A - Dixie	4.96	21.67	13033	-3188	10576	-3170	-503	-3106	53.6	36.4	299	2528
2024-05-07 5:22	2024-05-07 0:22	18.3	Light A - Dixie	4.97	21.67	13071	-1764	10872	-2955	-436	-3293	53.8	36.2	320	1954
2024-05-07 5:22	2024-05-07 0:22	18.3	Light A - Dixie	4.96	21.67	13316	-1667	11583	-2895	-192	-3333	52.4	37.6	331	923
2024-05-07 5:22	2024-05-07 0:22	18.3	Light A - Dixie	4.96	21.67	12376	-3400	10615	-2855	234	-3317	51.9	38.1	321	2299
2024-05-07 5:22	2024-05-07 0:22	18.3	Light A - Dixie	4.96	21.49	13144	-3098	10442	-2823	322	-3326	54.3	35.7	333	2016
2024-05-07 5:22	2024-05-07 0:22	18.3	Light A - Dixie	4.97	21.49	12225	-2832	11331	-2570	447	-3478	50.2	39.8	346	1658

UTC Time	Local Time	Celsius	Location	Volts	mag/arcsec^2	Ax	Ay	Az	Mx	My	Mz	Altitude	Zenith	Azimuth	Vibration
2024-05-07 5:22	2024-05-07 0:22	18	Light A - Dixie	4.97	22.52	12291	-3741	11776	-2524	928	-3535	48.6	41.4	358	2741
2024-05-07 5:22	2024-05-07 0:22	18	Light A - Dixie	4.96	22.52	12114	-2294	13065	-2560	1263	-3279	45.9	44.1	42	3412
2024-05-07 5:22	2024-05-07 0:22	18	Light A - Dixie	4.97	21.45	11951	-2108	12563	-2812	1427	-2933	46.8	43.2	55	2665
2024-05-07 5:22	2024-05-07 0:22	18	Light A - Dixie	4.96	21.45	11595	-1957	13653	-3290	1030	-2633	43.5	46.5	88	3078
2024-05-07 5:22	2024-05-07 0:22	18	Light A - Dixie	4.97	21.45	12086	3833	18442	-25519	4544	422	35.8	54.2	87	3633
2024-05-07 5:22	2024-05-07 0:22	18	Light A - Dixie	4.96	21.45	12650	-271	12117	-3838	572	-2008	49.9	40.1	105	1748
2024-05-07 5:22	2024-05-07 0:22	18	Light A - Dixie	4.97	21.59	12351	-1299	10936	-3946	198	-2003	52.2	37.8	147	2199
2024-05-07 5:22	2024-05-07 0:22	18	Light A - Dixie	4.96	21.59	12227	-2245	10910	-4010	-34	-1922	51.6	38.4	243	3661
2024-05-07 5:22	2024-05-07 0:22	18	Light A - Dixie	4.96	21.59	11869	-1788	12977	-3884	-504	-2239	45.7	44.3	247	1303
2024-05-07 5:22	2024-05-07 0:22	18	Light A - Dixie	4.96	21.59	12206	1079	10594	-3888	-613	-2251	52.7	37.3	285	1766
2024-05-07 5:22	2024-05-07 0:22	18	Light A - Dixie	4.96	21.59	12039	-2607	10695	-3904	-511	-2214	51.6	38.4	267	2258
2024-05-07 5:22	2024-05-07 0:22	18	Light A - Dixie	4.96	21.59	12526	1	9577	-3799	-1076	-2310	56.7	33.3	290	5459
2024-05-07 5:22	2024-05-07 0:22	18	Light A - Dixie	4.96	21.76	12458	-648	12963	-3646	-1285	-2489	47.3	42.7	270	2533
2024-05-07 5:22	2024-05-07 0:22	18	Light A - Dixie	4.96	21.76	12911	92	11277	-3415	-1244	-2791	52.6	37.4	299	3172
2024-05-07 5:22	2024-05-07 0:22	18	Light A - Dixie	4.97	21.76	13408	-1704	10399	-3406	-1010	-2896	55.8	34.2	298	3012
2024-05-07 5:22	2024-05-07 0:22	17.7	Light A - Dixie	4.96	21.76	12397	-159	9564	-3030	-646	-3319	56.5	33.5	338	3330
2024-05-07 5:22	2024-05-07 0:22	17.7	Light A - Dixie	4.97	21.61	11443	334	11123	-2607	-609	-3629	49.7	40.3	346	2859
2024-05-07 5:22	2024-05-07 0:22	17.7	Light A - Dixie	4.96	21.61	11156	1038	13086	-2619	230	-3606	43.7	46.3	53	4205
2024-05-07 5:22	2024-05-07 0:22	17.7	Light A - Dixie	4.96	21.61	13886	-3111	10183	-2787	918	-3267	56.4	33.6	359	3821
2024-05-07 5:22	2024-05-07 0:22	17.7	Light A - Dixie	4.96	21.61	12196	-3669	14166	-2628	1205	-3219	43.1	46.9	33	1770
2024-05-07 5:22	2024-05-07 0:22	17.7	Light A - Dixie	4.96	21.43	9811	-4596	16398	-2373	1394	-3288	32.7	57.3	66	3828
2024-05-07 5:22	2024-05-07 0:22	17.7	Light A - Dixie	4.96	21.43	10431	-1556	14078	-2667	1384	-3058	39.7	50.3	70	1941
2024-05-07 5:22	2024-05-07 0:22	17.7	Light A - Dixie	4.96	21.43	10723	-2852	12736	-2860	1503	-2754	43	47	67	3537
2024-05-07 5:22	2024-05-07 0:22	17.7	Light A - Dixie	4.96	21.43	10406	-4192	13581	-2975	1639	-2480	39.6	50.4	87	2795
2024-05-07 5:22	2024-05-07 0:22	17.7	Light A - Dixie	4.96	21.37	12016	-4157	12479	-3360	1389	-2199	46	44	90	3051
2024-05-07 5:22	2024-05-07 0:22	17.7	Light A - Dixie	4.96	21.37	11026	-3381	14083	-3459	1196	-2180	40.6	49.4	117	3276
2024-05-07 5:22	2024-05-07 0:22	17.7	Light A - Dixie	4.96	21.37	11277	-4767	12714	-3787	750	-1938	43.2	46.8	182	2117
2024-05-07 5:23	2024-05-07 0:23	17.7	Light A - Dixie	4.96	21.66	11624	-3026	12458	-3823	488	-2051	45.9	44.1	175	2267
2024-05-07 5:23	2024-05-07 0:23	17.7	Light A - Dixie	4.96	21.66	11146	-2449	12687	-3862	182	-2127	44.4	45.6	200	5887
2024-05-07 5:23	2024-05-07 0:23	17.7	Light A - Dixie	4.96	21.66	12326	-4758	10747	-3860	-22	-2208	50.1	39.9	263	2101
2024-05-07 5:23	2024-05-07 0:23	17.7	Light A - Dixie	4.96	21.66	12322	-875	11427	-3871	-561	-2251	50.9	39.1	264	1778
2024-05-07 5:23	2024-05-07 0:23	17.7	Light A - Dixie	4.96	21.66	11726	-4014	13143	-3753	-645	-2438	43.9	46.1	258	2405
2024-05-07 5:23	2024-05-07 0:23	17.7	Light A - Dixie	4.96	21.66	11033	-6404	12505	-3292	-225	-3012	41.4	48.6	270	3296
2024-05-07 5:23	2024-05-07 0:23	17.7	Light A - Dixie	4.97	21.76	11884	-3629	12926	-3149	-683	-3149	45	45	282	1964
2024-05-07 5:23	2024-05-07 0:23	17.7	Light A - Dixie	4.96	21.76	9651	611	12904	-2757	-817	-3446	40.2	49.8	310	2484
2024-05-07 5:23	2024-05-07 0:23	17.7	Light A - Dixie	4.97	21.76	6769	-1172	20387	-2112	-768	-3748	22.9	67.1	252	6321

Location ID Observation Date (MM,DD,YYYY) Observation (HH,MM) Northing (m) / Easting (m) Zenith Skyglow Photometer Readings (Lux) Highest and Lowest Skyglow Photometer Readings (Lux) Facing Site Photometer Readings (Lux) SQM Readings with Angle (Z) and Compass Direction from .dat file Estimate of Cloud Cover (0, 1/8 - 1/4, 1/4 - 1/2, 1/2 - 3/4, 3/4 - 1, 1) Comments

September									
Light A (Dixie South)	26-Sep-22	23:57	Zone	0	Max: 0.003 (Towards Town)	0.001	Highest (Darkest)	Clear	Intermittant traffic, waited until no cars present before starting. Van parked nearby with reflective paint on it.
			15 U	0.002			22.19		
				0			82.9° Zenith Angle		
			Easting	0			267° Compass Angle		
			448650	0			Lowest (Brightest)		
				0			18.78		
Light B (Tuzyks)	26-Sep-22	22:04		0.003	Max: 0.001 (Towards Entrance)	0	53° Zenith Angle	Clear	Narrow road, no visible light sources.
			Northing	0.001			51° Compass Angle		
			5638586	0.001					
				0			Highest (Darkest)		
			Zone	0			22.53		
			15 U	0			79.6° Zenith Angle		
Light C (Tote Road)	26-Sep-22	22:46		0	Max: 0.001 (Towards Highway)	0	279° Compass Angle	Clear	Reflective sign nearby as well as scaffolding with reflective tape on it.
			Easting	0			Lowest (Brightest)		
			457229	0			16.87		
				0.001			74.7° Zenith Angle		
			Northing	0			249° Compass Angle		
			5638135	0					
Light D (Teardrop)	26-Sep-22	22:46		0	Max: 0	0	Highest (Darkest)	Clear	Nothing of note.
			Zone	0			21.32		
			15 U	0			70.5° Zenith Angle		
				0			258° Compass Angle		
			Easting	0			Lowest (Brightest)		
			464438	0			7.2		
Light A (Dixie South)	26-Sep-22	23:57		0.001	Min: 0	0.001	66.2° Zenith Angle	Clear	Intermittant traffic, waited until no cars present before starting. Van parked nearby with reflective paint on it.
			Northing	0			190° Compass Angle		
			5634929	0					
				0			Highest (Darkest)		
			Zone	0			22.37		
			15 U	0			79° Zenith Angle		
Light B (Tuzyks)	26-Sep-22	22:04		0	Max: 0	0	184° Compass Angle	Clear	Nothing of note.
			Easting	0			Lowest (Brightest)		
			454286	0			7.2		
				0			51.5° Zenith Angle		
			Northing	0			1° Compass Angle		
			5634901	0					

Location ID	Observation Date (MM,DD,YYYY)	Observation (HH,MM)	Northing (m) / Easting (m)	Zenith Skyglow Photometer Readings (Lux)	Highest and Lowest Skyglow Photometer Readings (Lux)	Facing Site Photometer Readings (Lux)	SQM Readings with Angle (Z) and Compass Direction from .dat file	Estimate of Cloud Cover (0, 1/8 - 1/4, 1/4 - 1/2, 1/2 - 3/4, 3/4 - 1, 1)	Comments
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October

Sample conditions not viable for a light survey to be taken. No sample taken during the month of October.

November

Light A (Dixie South)	19-Nov-22	20:20	Zone 15 U	0	Max: 0.00	0	Highest (Darkest) 21.46	Few clouds over town	MW clearly visible. Could clearly see snow and tree silhouettes. Jupiter very bright. Could easily walk around unaided.			
			Easting 448650	0			Lowest (Brightest) 20.12					
			Northing 5638586	0			58.1° Zenith Angle 89° Compass Angle					
			Zone 15 U	0	Max: 0.001 (Towards Town)		0			Highest (Darkest) 22.05	Clear	MW clearly visible. Could clearly see snow and tree silhouettes. Jupiter very bright. Could easily walk around unaided.
			Easting 457215	0						Lowest (Brightest) 20.93		
			Northing 5637141	0.001						51.2° Zenith Angle 269° Compass Angle		
Zone 15 U	0	Max: 0.003 (Towards Town)	0.002	Highest (Darkest) 21.75	Clear	MW clearly visible. Could clearly see snow and tree silhouettes. Jupiter very bright. Could easily walk around unaided. Took readings between car traffic						
Easting 464438	0			Lowest (Brightest) 20.72								
Northing 5634929	0.002			78.2° Zenith Angle 243° Compass Angle								
Zone 15 U	0	Max: 0		0			Highest (Darkest) 21.75	Clear	MW clearly visible. Could clearly see snow and tree silhouettes. Could easily walk around unaided - SQM clock off by a few minutes. Noticed after sampling. Jupiter very bright			
Easting 454286	0						Lowest (Brightest) 20.84					
Northing 5634901	0						57.9° Zenith Angle 225° Compass Angle					

December

Sample conditions not viable for a light survey to be taken. No sample taken during the month of December.

January

Sample conditions not viable for a light survey to be taken. No sample taken during the month of January

February

				February					
Light A (Dixie South)	24-Feb-23	8:49	Zone 15 U	0	Min: 0	0.004	Highest (Darkest) 21.02	1/4. Started clear, as night progressed cloud cover increased	Sliver of moon present, slight cloud cover developing. highway roadsigns throw a lot of light when vehicles on highway approach.
				0.007			83.7° Zenith Angle		
			Easting 448650	0.004			308° Compass Angle		
				0	Max: 0.009 (towards the highway)		Lowest (Brightest) 16.88		
				0.009			61.5° Zenith Angle		
				0.002			269° Compass Angle		
			Northing 5638586	0.005					
	0.008								
	0.004								
Light B (Tuzyks)	24-Feb-23	8:29	Zone 15 U	0.013	Min: 0	0.013	Highest (Darkest) 21.18	Clear	Sliver of moon present, truck and trailer in coreyard visibly reflecting moonlight.
				0.004			15.5° Zenith Angle		
			Easting 457215	0.005			287° Compass Angle		
				0	Max: 0.024 (directly at the sliver of moon)		Lowest (Brightest) 16.11		
				0			52.5° Zenith Angle		
			Northing 5637141	0.012			261° Compass Angle		
				0.002					
	0.007								
Light C (Tote Road)	24-Feb-23	7:35	Zone 15 U	0.003	Min: 0	0.004	Highest (Darkest) 20.95	Clear	2 extreme outliers for Sontek Testing. Perhaps vehicle traffic through the trees when reading was taken?
				0.004			64.3° Zenith Angle		
			Easting 464438	0.194			171° Compass Angle		
				0	Max : 0.022		Lowest (Brightest) 16.17		
				0.011			55.3° Zenith Angle		
			Northing 5634929	0.022			250° Compass Angle		
				0.015					
	0.016								
	0.103								
Light D (Teardrop)	24-Feb-23	8:07	Zone 15 U	0.006	Min: 0	0.009	Highest (Darkest) 20.72	Clear	Slight sliver of moon present
				0			62.2° Zenith Angle		
			Easting 454286	0.007			156° Compass Angle		
				0	Max : 0.009		Lowest (Brightest) 16.12		
				0.004			46.3° Zenith Angle		
			Northing 5634901	0.003			260° Compass Angle		
				0					
	0.002								
	0.009								

Location ID	Observation Date (MM,DD,YYYY)	Observation (HH,MM)	Northing (m) / Easting (m)	Zenith Skyglow Photometer Readings (Lux)	Highest and Lowest Skyglow Photometer Readings (Lux)	Facing Site Photometer Readings (Lux)	SQM Readings with Angle (Z) and Compass Direction from .dat file	Estimate of Cloud Cover (0, 1/8 - 1/4, 1/4 - 1/2, 1/2 - 3/4, 3/4 - 1, 1)	Comments
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March									
Light A (Dixie South)	20-Mar-23	10:10	Zone 15 U	0.019	Min: 0	0	Highest (Darkest) 21.32 38° Zenith Angle 113° Compass Angle	Clear	Nothing of note.
				0.001			Lowest (Brightest) 20.23 50.7° Zenith Angle 284° Compass Angle		
			Easting 448650	0					
				0.001					
				0	Max: 0.019 (towards the highway)				
				0					
			Northing 5638586	0					
	0								
Light B (Tuzyks)	20-Mar-23	9:57	Zone 15 U	0	Min: 0	0	Highest (Darkest) 21.76 53.1° Zenith Angle 285° Compass Angle	Clear	Nothing of note.
				0			Lowest (Brightest) 20.95 52.1° Zenith Angle 11° Compass Angle		
			Easting 457215	0					
				0					
				0	Max: 0				
				0					
			Northing 5637141	0					
	0								
Light C (Tote Road)	20-Mar-23	9:01	Zone 15 U	0	Min: 0	0	Highest (Darkest) 21.45 85.9° Zenith Angle 270° Compass Angle	Clear	Nothing of note.
				0			Lowest (Brightest) 20.23 50.7° Zenith Angle 284° Compass Angle		
			Easting 464438	0					
				0	Max: 0				
				0					
			Northing 5634929	0					
				0					
Light D (Teardrop)	20-Mar-23	9:30	Zone 15 U	0	Min: 0	0.001	Highest (Darkest) 21.51 86.7° Zenith Angle 133° Compass Angle	Clear	Nothing of note.
				0.048			Lowest (Brightest) 20.7 63.7° Zenith Angle 343° Compass Angle		
			Easting 454286	0					
				0					
				0	Max: 0.048				
				0.001					
			Northing 5634901	0.014					
	0								
April									

Sample conditions not viable for a light survey to be taken. No sample taken during the month of April

May									
Light A (Dixie South)	20-May-23	12:59	Zone 15 U	0.014	Min:0.004	0.008	Highest (Darkest) 19.45 49° Zenith Angle 233° Compass Angle	Clear	Northern Lights
				0.017					
			Easting 448650	0.003					
				0.011					
				0.011	Max:0.017		Lowest (Brightest) 17.42 41.9° Zenith Angle 334° Compass Angle		
				0.004					
				0.008					
			Northing 5638586	0.006					
	0.006								
	0.008								
Light B (Tuzyks)	20-May-23	12:34	Zone 15 U	0.008	Min:0	0.02	Highest (Darkest) 19.56 24.2° Zenith Angle 265° Compass Angle	Clear	Northern Lights, small amount of reflective tape in area.
				0.052					
				0.001					
			Easting 457215	0.001					
				0.02	Max:0.052		Lowest (Brightest) 18.45 29.5° Zenith Angle 333° Compass Angle		
				0.014					
				0.005					
			Northing 5637141	0.003					
	0								
	0.003								
Light C (Tote Road)	19-May-23	11:28	Zone 15 U	0.005	Min:0	0.008	Highest (Darkest) 24.05 138.8° Zenith Angle 280° Compass Angle	Clear	Heavy Northern Lights
				0.014					
				0.006					
			Easting 464438	0.009					
				0.008	Max: 0.019		Lowest (Brightest) 13.16 52° Zenith Angle 275° Compass Angle		
				0					
				0					
			Northing 5634929	0.019					
	0.008								
Light D (Teardrop)	20-May-23	12:11	Zone 15 U	0.004	Min:0	0.005	Highest (Darkest) 20.69 68.3° Zenith Angle 253° Compass Angle	Clear	Northern Lights, Light from a nearby pumpshack visible in the distance. Reflective striping also present on pumpshack.
				0.01					
				0.001					
			Easting 454286	0					
				0	Max: 0.04		Lowest (Brightest) 17.11 70.1° Zenith Angle 53° Compass Angle		
				0.04					
				0.003					
				0					
	0.005								
	0.003								

Location ID	Observation Date (MM,DD,YYYY)	Observation (HH,MM)	Northing (m) / Easting (m)	Zenith Skyglow Photometer Readings (Lux)	Highest and Lowest Skyglow Photometer Readings (Lux)	Facing Site Photometer Readings (Lux)	SQM Readings with Angle (Z) and Compass Direction from .dat file	Estimate of Cloud Cover (0, 1/8 - 1/4, 1/4 - 1/2, 1/2 - 3/4, 3/4 - 1, 1)	Comments
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June									
Light A (Dixie South)	19-Jun-23	1:40	Zone	0	Min: 0	0.011	Highest (Darkest)	Clear	some fireflies in vicinity
			15 U	0			24.01		
				0			139° Zenith Angle		
			Easting	0	Max: 0.011		275° Compass Angle		
			448650	0			Lowest (Brightest)		
				0			23.6		
			Northing	0.011	155.3° Zenith Angle				
5638586	0	126° Compass Angle							
	0								
Light B (Tuzyks)	19-Jun-23	1:11	Zone	0	Min: 0	0	Highest (Darkest)	Clear	trailer with some reflective striping in vicinity
			15 U	0.002			24.68		
				0			138.3° Zenith Angle		
			Easting	0	Max: 0.002		283° Compass Angle		
			457215	0.001			Lowest (Brightest)		
				0			24.46		
			Northing	0	149.2° Zenith Angle				
5637141	0	276° Compass Angle							
	0								
Light C (Tote Road)	19-Jun-23	12:10	Zone	0.014	Min: 0	0.001	Highest (Darkest)	Clear	nothing of note
			15 U	0.002			23.66		
				0			145.7° Zenith Angle		
			Easting	0	Max: 0.014		261° Compass Angle		
			464438	0			Lowest (Brightest)		
				0.001			23.57		
			Northing	0	147.6° Zenith Angle				
5634929	0	278° Compass Angle							
	0.001								
Light D (Teardrop)	19-Jun-23	12:50	Zone	0	Min: 0	0.001	Highest (Darkest)	Clear	many fireflies in the vicinity
			15 U	0.001			23.8		
				0			164° Zenith Angle		
			Easting	0	Max: 0.012		270° Compass Angle		
			454286	0			Lowest (Brightest)		
				0.001			20.27		
			Northing	0	135.6° Zenith Angle				
5634901	0	272° Compass Angle							
	0.012								
July									
Light A (Dixie South)	19-Jul-23	12:50	Zone	0	Min: 0	0	Highest (Darkest)	1/4 cloud cover	Light cloud cover, stars clearly visible
			15 U	0			22.53		
				0			64.8° Zenith Angle		
			Easting	0	Max: 0		346° Compass Angle		
			448650	0			Lowest (Brightest)		
				0			21.37		
			Northing	0	7.9° Zenith Angle				
5638586	0	263° Compass Angle							
	0								
Light B (Tuzyks)	19-Jul-23	12:30	Zone	0	Min: 0	0	Highest (Darkest)	1/4 - 1/3 cloud cover	Light cloud cover, stars clearly visible
			15 U	0			21.53		
				0			49.7° Zenith Angle		
			Easting	0	Max: 0		33° Compass Angle		
			457215	0			Lowest (Brightest)		
				0			21.12		
			Northing	0	27.9° Zenith Angle				
5637141	0	95° Compass Angle							
	0								
Light C (Tote Road)	18-Jul-23	11:40	Zone	0	Min: 0	0	Highest (Darkest)	1/4 - 1/3 cloud cover	Light cloud cover, stars clearly visible
			15 U	0			22.17		
				0			56.5° Zenith Angle		
			Easting	0	Max: 0		155° Compass Angle		
			464438	0			Lowest (Brightest)		
				0			20.27		
			Northing	0	58° Zenith Angle				
5634929	0	4° Compass Angle							
	0								
Light D (Teardrop)	19-Jul-23	12:10	Zone	0	Min: 0	0.001	Highest (Darkest)	1/4 cloud cover	Light cloud cover, stars clearly visible, small number of fireflies present
			15 U	0			22.19		
				0.001			67.7° Zenith Angle		
			Easting	0.001	Max: 0.001		229° Compass Angle		
			454286	0			Lowest (Brightest)		
				0			21.07		
			Northing	0	57.3° Zenith Angle				
5634901	0	5° Compass Angle							
	0								

Location ID	Observation Date (MM,DD,YYYY)	Observation (HH,MM)	Northing (m) / Easting (m)	Zenith Skyglow Photometer Readings (Lux)	Highest and Lowest Skyglow Photometer Readings (Lux)	Facing Site Photometer Readings (Lux)	SQM Readings with Angle (Z) and Compass Direction from .dat file	Estimate of Cloud Cover (0, 1/8 - 1/4, 1/4 - 1/2, 1/2 - 3/4, 3/4 - 1, 1)	Comments
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August									
Light A (Dixie South)	14-Aug-23		Zone	0.016	Min: 0	0	Highest (Darkest)	0 cloud cover	stars bright and clearly visible
			15 U	0			22.9		
				0.015			75.5° Zenith Angle		
			Easting	0.022	Max: 0.022		17° Compass Angle		
			448650	0			Lowest (Brightest)		
				0			21.28		
			Northing	0			58° Zenith Angle		
5638586	0	60° Compass Angle							
	0								
	0								
Light B (Tuzyks)	14-Aug-23		Zone	0	Min: 0	0	Highest (Darkest)	0 cloud cover	stars bright and clearly visible, railer with small amount of reflective tape in vicinity
			15 U	0			21.7		
				0.28			21.6° Zenith Angle		
			Easting	0	Max: 0.28		313° Compass Angle		
			457215	0			Lowest (Brightest)		
				0.016			21.22		
			Northing	0.007			19.9° Zenith Angle		
5637141	0	255° Compass Angle							
	0								
	0.014								
Light C (Tote Road)	14-Aug-23		Zone	0.003	Min: 0	0.003	Highest (Darkest)	0 cloud cover	stars bright and clearly visible, trailer covered in reflective tape in vicinity
			15 U	0.117			23.02		
				0			66.9° Zenith Angle		
			Easting	0	Max: 0.117		48° Compass Angle		
			464438	0			Lowest (Brightest)		
				0.263			21.21		
			Northing	0.006			31.1° Zenith Angle		
5634929	0.007	51° Compass Angle							
Light D (Teardrop)	14-Aug-23		Zone	0	Min: 0	0.002	Highest (Darkest)	0 cloud cover	stars bright and clearly visible
			15 U	0.012			21.69		
				0.006			22.2° Zenith Angle		
			Easting	0.031	Max: 0.16		304° Compass Angle		
			454286	0.03			Lowest (Brightest)		
				0.16			21.23		
			Northing	0			34.6° Zenith Angle		
5634901	0.002	250° Compass Angle							
	0								
	0.013								
September									
Light A (Dixie South)	12-Sep-23	21:20	Zone	0	Min: 0	0.001	Highest (Darkest)	0 cloud cover	stars bright and clearly visible, minimal northern lights behind trees
			15 U	0			21.75		
				0.001			72° Zenith Angle		
			Easting	0.001	Max: 0.004		253° Compass Angle		
			448650	0			Lowest (Brightest)		
				0.003			19.28		
			Northing	0			58.8° Zenith Angle		
5638586	0.004	27° Compass Angle							
Light B (Tuzyks Core Laydown)	12-Sep-23	20:50	Zone	0	Min: 0	0	Highest (Darkest)	0 cloud cover	stars bright and clearly visible, railer with small amount of reflective tape in vicinity, minimal northern lights behind trees
			15 U	0			20.86		
				0.001			48.2° Zenith Angle		
			Easting	0	Max: 0.003		101° Compass Angle		
			457215	0			Lowest (Brightest)		
				0			19.24		
			Northing	0.003			47.6° Zenith Angle		
5637141	0	354° Compass Angle							
	0								
Light C (Tote Road)	12-Sep-23	21:40	Zone	0.001	Min: 0	0.001	Highest (Darkest)	0 cloud cover	stars bright and clearly visible, trailer covered in reflective tape in vicinity
			15 U	0.001			20.81		
				0.001			66° Zenith Angle		
			Easting	0.008	Max: 0.028		150° Compass Angle		
			464438	0.005			Lowest (Brightest)		
				0.016			18.55		
			Northing	0.028			57.7° Zenith Angle		
5634929	0.014	54° Compass Angle							
	0								
Light D (Teardrop)	12-Sep-23	20:20	Zone	0.001	Min: 0	0.002	Highest (Darkest)	0 cloud cover	stars bright and clearly visible
			15 U	0			21.23		
				0			70.6° Zenith Angle		
			Easting	0.002	Max: 0.042		306° Compass Angle		
			454286	0.001			Lowest (Brightest)		
				0.005			18.88		
			Northing	0.006			49.8° Zenith Angle		
5634901	0.042	45° Compass Angle							
	0								
	0.003								

Location ID Observation Date (MM,DD,YYYY) Observation (HH,MM) Northing (m) / Easting (m) Zenith Skyglow Photometer Readings (Lux) Highest and Lowest Skyglow Photometer Readings (Lux) Facing Site Photometer Readings (Lux) SQM Readings with Angle (Z) and Compass Direction from .dat file Estimate of Cloud Cover (0, 1/8 - 1/4, 1/4 - 1/2, 1/2 - 3/4, 3/4 - 1, 1) Comments

October									
Light A (Dixie South)	15-Oct-23		Zone	0	Min: 0	0	Highest (Darkest)	0 cloud cover	stars bright and clearly visible
			15 U	0			22.42		
				0			73.1° Zenith Angle		
			Easting	0			115° Compass Angle		
			448650	0			Lowest (Brightest)		
				0			20.7		
Light B (Tuzyks)	15-Oct-23			0	Max: 0	0	52.2° Zenith Angle	0 cloud cover	stars bright and clearly visible
			Northing	0			50° Compass Angle		
			5638586	0					
				0					
			Zone	0			Highest (Darkest)		
			15 U	0			22.42		
Light C (Tote Road)	15-Oct-23			0	Min: 0	0	73.1° Zenith Angle	0 cloud cover	stars bright and clearly visible
			Easting	0			115° Compass Angle		
			464438	0			Lowest (Brightest)		
				0			20.8		
			Northing	0			54.8° Zenith Angle		
			5637141	0			303° Compass Angle		
Light D (Teardrop)	15-Oct-23			0	Max: 0	0		0 cloud cover	stars bright and clearly visible
			Zone	0			Highest (Darkest)		
			15 U	0			22.42		
				0			73.1° Zenith Angle		
			Easting	0			115° Compass Angle		
			454286	0			Lowest (Brightest)		
Light A (Dixie South)	15-Nov-23	8:10		0	Min: 0	0	20.8	(1/8)	Differing readings could have been from road traffic, but there was very little traffic (2 cars) during the survey. Slightly more cloud cover than other sites.
			Northing	0			303° Compass Angle		
			5634929	0.004					
				0					
			Zone	0			Highest (Darkest)		
			15 U	0			21.32		
Light B (Tuzyks)	15-Nov-23	7:42		0	Max: 0.084	0	51.7° Zenith Angle	0	Nothing of note.
			Easting	0.03			296° Compass Angle		
			448650	0.084			Lowest (Brightest)		
				0.026			20.9		
			Northing	0			54.6° Zenith Angle		
			5638586	0.004			9° Compass Angle		
Light C (Tote Road)	15-Nov-23	6:45		0	Min: 0	0	Highest (Darkest)	0	Forestry reflective vehicle not present during the survey.
			15 U	0			21.87		
				0			59.9° Zenith Angle		
			Easting	0			287° Compass Angle		
			464438	0			Lowest (Brightest)		
				0			20.81		
Light D (Teardrop)	15-Nov-23	7:16	Northing	0	Max: 0.005	0	52.4° Zenith Angle	0	Nothing of note.
			5634929	0			208° Compass Angle		
				0					
			Zone	0.005			Highest (Darkest)		
			15 U	0			22.11		
				0			65.3° Zenith Angle		
Light A (Dixie South)	15-Nov-23	7:16	Easting	0	Min: 0	0	78° Compass Angle	0	Nothing of note.
			454286	0			Lowest (Brightest)		
				0			20.98		
			Northing	0			37.7° Zenith Angle		
			5634901	0			6° Compass Angle		
				0					
November									

Location ID	Observation Date (MM,DD,YYYY)	Observation (HH,MM)	Northing (m) / Easting (m)	Zenith Skyglow Photometer Readings (Lux)	Highest and Lowest Skyglow Photometer Readings (Lux)	Facing Site Photometer Readings (Lux)	SQM Readings with Angle (Z) and Compass Direction from .dat file	Estimate of Cloud Cover (0, 1/8 - 1/4, 1/4 - 1/2, 1/2 - 3/4, 3/4 - 1, 1)	Comments
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December										
Light A (Dixie South)	14-Dec-23	19:49	Zone	0	Min: 0	0	Highest (Darkest)	0	Nothing of note.	
			15 U	0			21.36			
				0			53.7° Zenith Angle			
			Eastings	0	Max: 0		137° Compass Angle			
			448650	0			Lowest (Brightest)			
				0			21.16			
Light B (Tuzyks)	14-Dec-23	19:34	Northings	0	Min: 0	0.001	46.2° Zenith Angle	0	Nothing of note.	
			5638586	0			331° Compass Angle			
				0						
			Zone	0	Max: 0.001		Highest (Darkest)			
			15 U	0.001			21.44			
				0			50.5° Zenith Angle			
Light C (Tote Road)	14-Dec-23	18:24	Eastings	0	Min: 0	0	64° Compass Angle	0	Nothing of note.	
			464438	0			Lowest (Brightest)			
				0			20.98			
			Northings	0	Max: 0.005		48° Zenith Angle			
			5634929	0.002			328° Compass Angle			
				0						
Light D (Teardrop)	14-Dec-23	18:50	Zone	0	Min: 0	0	Highest (Darkest)	0	Nothing of note.	
			15 U	0.014			21.37			
				0			57.7° Zenith Angle			
			Eastings	0	Max: 0.017		129° Compass Angle			
			454286	0.002			Lowest (Brightest)			
				0			20.87			
Light A (Dixie South)	08-Mar-24	21:07	Northings	0	Min: 0	0	63.3° Zenith Angle	1/8	car passed on highway at start of SQM readings	
			5634901	0			339° Compass Angle			
				0						
			Zone	0	Max: 0.001		Highest (Darkest)			
			15 U	0.001			21.51			
				0			20.3° Zenith Angle			
Light B (Tuzyks)	08-Mar-24	20:46	Eastings	0	Min: 0	0	224° Compass Angle	0	n/a	
			457215	0.016			Lowest (Brightest)			
				0			20.3			
			Northings	0	Max: 0.016		54.9° Zenith Angle			
			5637141	0			24° Compass Angle			
				0						
Light C (Tote Road)			Zone						No measurement this month due to animal activity	
			15 U							
			Eastings							
			464438							
Light D (Teardrop)	08-Mar-24	20:26	Northings		Min: 0	0		0	n/a	
			5634929							
			Zone	0	Max: 0.033		Highest (Darkest)			
			15 U	0			21.44			
				0			24.6° Zenith Angle			
Light A (Dixie South)			Eastings	0			22° Compass Angle			
			454286	0			Lowest (Brightest)			
				0.005			19.31			
			Northings	0			57.7° Zenith Angle			
			5634901	0.033			55° Compass Angle			
				0						

Location ID	Observation Date (MM,DD,YYYY)	Observation (HH,MM)	Northing (m) / Easting (m)	Zenith Skyglow Photometer Readings (Lux)	Highest and Lowest Skyglow Photometer Readings (Lux)	Facing Site Photometer Readings (Lux)	SQM Readings with Angle (Z) and Compass Direction from .dat file	Estimate of Cloud Cover (0, 1/8 - 1/4, 1/4 - 1/2, 1/2 - 3/4, 3/4 - 1, 1)	Comments
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April									
Light A (Dixie South)	06-Apr-24	23:21	Zone	0.001	Min: 0	0.004	Highest (Darkest)	1/8	Nothing of note.
			15 U	0.004			22.55		
				0.025			83.3° Zenith Angle		
			Easting	0	Max: 0.025		120° Compass Angle		
			448650	0			Lowest (Brightest)		
				0			21.34		
			Northing	0	50.6° Zenith Angle				
5638586	0	75° Compass Angle							
	0								
Light B (Tuzyks)	06-Apr-24	23:01	Zone	0	Min: 0	0	Highest (Darkest)	1/8	Nothing of note.
			15 U	0			22.34		
				0			60.3° Zenith Angle		
			Easting	0	Max: 0.001		22° Compass Angle		
			457215	0			Lowest (Brightest)		
				0			21.16		
			Northing	0	47.6° Zenith Angle				
5637141	0	346° Compass Angle							
	0.001								
Light C (Tote Road)	06-Apr-24	22:07	Zone	0.002	Min: 0	0	Highest (Darkest)	1/8	Nothing of note.
			15 U	0			22.32		
				0			71.7° Zenith Angle		
			Easting	0	Max: 0.002		272° Compass Angle		
			464438	0			Lowest (Brightest)		
				0			21.03		
			Northing	0	44.8° Zenith Angle				
5634929	0	283° Compass Angle							
	0								
Light D (Teardrop)	06-Apr-24	22:40	Zone	0	Min: 0	0	Highest (Darkest)	1/8	Trail camera intermittently flashed a red light during the monitoring period. Trail camera was fairly low to the ground and had little illumination.
			15 U	0			22.46		
				0			70.2° Zenith Angle		
			Easting	0	Max: 0.006		135° Compass Angle		
			454286	0			Lowest (Brightest)		
				0			21.04		
			Northing	0	48.9° Zenith Angle				
5634901	0	16° Compass Angle							
	0.006								
May									
Light A (Dixie South)	06-May-24	0:26	Zone	0	Min: 0	0	Highest (Darkest)	0	
			15 U	0			22.52		
				0			39.9° Zenith Angle		
			Easting	0	Max: 0		280° Compass Angle		
			448650	0			Lowest (Brightest)		
				0			21.37		
			Northing	0	44° Zenith Angle				
5638586	0	90° Compass Angle							
	0								
Light B (Tuzyks)	06-May-24	0:07	Zone	0	Min: 0	0	Highest (Darkest)	0	
			15 U	0.004			21.84		
				0.007			24.8° Zenith Angle		
			Easting	0	Max: 0.007		282° Compass Angle		
			457215	0			Lowest (Brightest)		
				0			21.27		
			Northing	0	53.3° Zenith Angle				
5637141	0	348° Compass Angle							
	0								
Light C (Tote Road)	06-May-24	11:11	Zone	0	Min: 0	0	Highest (Darkest)	0	
			15 U	0			22.91		
				0			68.8° Zenith Angle		
			Easting	0	Max: 0		355° Compass Angle		
			464438	0			Lowest (Brightest)		
				0			21.22		
			Northing	0	55.6° Zenith Angle				
5634929	0	35° Compass Angle							
	0								
Light D (Teardrop)	06-May-24	11:44	Zone	0	Min: 0	0	Highest (Darkest)	0	bright shooting star in sky near tail end of measurements.
			15 U	0			22.61		
				0			73.4° Zenith Angle		
			Easting	0	Max: 0		153° Compass Angle		
			454286	0			Lowest (Brightest)		
				0			21.16		
			Northing	0	58.2° Zenith Angle				
5634901	0	43° Compass Angle							
	0								