

Tau-Herculids Meteor Shower

Visual Meteor Observing Form

Date: 2022 (Yr) 05 (Mon) 31 (Day) Begin: 04 h 15 ^{UT} m End: 08 h 00 m ^{UT}

Location: Long. = 82° 36' 19.0" W. Lat. = 27° 20' 57.62" N. Elevation = 3 m

Observer: Gregory J. Shaw Place: Longboat Key (Sarasota), Florida USA

Percent Cloudy: 50% @ 4h15m 75% @ 5h00m 100% @ 6h00m 0% @ 7h00m 0% @ 8h00m ^{UT}

Direction Facing & Altitude: SW @ 4h15m SW @ 5h00m SW @ 6h00m W @ 8h00m
^{UT} ^{UT} ^{UT} ^{UT}
 240° Alt: 170° 250° Alt: 63° 235° Alt: 50° 280° Alt: 24°

Sky Conditions: Partly Cloudy 50% @ 4h15m Clearing 35% @ 6h35m ^{UT} ^{UT}

Incr Cloudiness 75% @ 5h00m Completely clear 0% @ 7h00m ^{UT} ^{UT}

Completely Overcast 100% @ 6h00m Completely clear 0% @ 8h00m ^{UT} ^{UT}

Breaks: 6h00m UT - 6h35m UT completely overcast. Clearing at 6h35m UT

Comments: New Moon. Bottle Scale: 647m (SQM 20.82)
Limiting Magnitude: +4 End of Observation: 8h00m UT
No outburst was observed. (4:00am local time)

Number	Time UT	Magnitude	Type	Color	Speed	Train	Comments
1	4h18m	+3	S	white	swift	no	sporadic
2	4h19m	-2	T	yellow	medium	yes	bright as Jupiter radiant at zenith
3	4h49m	+3	T	white	medium	no	
4	5h15m	+2	T	white	medium	no	
5	5h24m	+2	T	white	medium	yes	
6	5h30m	+3	T	white	swift	no	
7	5h35m	0	T	white	swift	yes	bright, swift
8	5h40m	+1	S	white	slow	yes	went into radiant
9	6h46m	0	T	white	swift	yes	bright
10	6h58m	+1	S	white	slow	yes	toward radiant
11	7h10m	+3	T	white	slow	no	
12	7h21m	+3	T	white	swift	no	
13	7h59m	+3	S	white	swift	no	toward radiant

Personal Weather Station
 Ambient Weather WS-8480
 May 31, 2022 4:03am local time
 (8h03m UT)

Temp: 73.7°F
 Feels Like: 73.1°F
 Humidity: 86%
 Barometer: 30.01
 Wind direction: West
 Wind speed: 0 mph