

National Park Service - Island Astronomy Institute

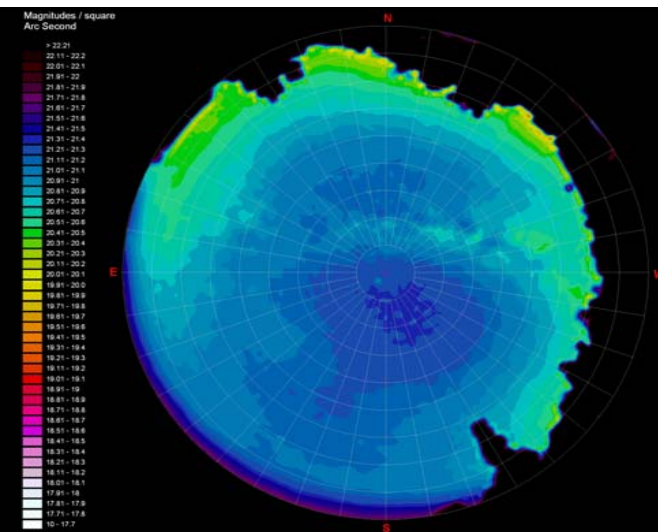
Night Sky Quality Monitoring Report



Report date: _____ by: _____

PARK:	Acadia	EQUIPMENT:	FLI#2 50mm f2 Bessell 6084
SITE NAME:	Otter View	OBSERVERS:	Peter Lord
LONGITUDE:	-68.18711	AIR TEMP (°F):	38
LATITUDE:	44.32328	REL HUMID (%):	78
ELEVATION (m):	10	WIND SP (mph):	0
DATE (UT):	November 6, 2007	CCD TEMP (°C):	-10
TIME START (UT):	13:34:12	EXP (seconds):	10
DATA QUALITY:	Poor	BORTLE CLASS:	4
		ZLM:	6.2

NARRATIVE: local date vs UT lead to poor regression.



SKY BRIGHTNESS DATA

Data Set Number	Time (UT)	Extinction coefficient (mag/air-mass)	Std Err Y Extinction Stars (mags)	Zenith (mag/sq arc-sec)	Whole Sky (mags)	Sky Above 20° Altitude (mags)	Brightest (mag/sq arc-sec)	Darkest (mag/sq arc-sec)	Link to Sky Maps
1st Start	13:34:12			21.33					PAN
End	14:03:58	0.021	0.071	21.27	-7.43	-7.06	20.03	21.38	HEMI
2nd Start	14:08:01			21.34					PAN
End	14:37:49	0.005	0.075	21.28	-7.44	-7.07	20.18	21.33	HEMI
3rd Start	14:41:51			21.25					PAN
End	15:11:39	-0.007	0.105	21.19	-7.47	-7.10	20.23	21.30	HEMI
4th Start									
End									
5th Start									
End									
6th Start									
End									

LIGHT DOME DATA

City	Distance (km)	Azimuth	1st Data Set Brightness (mags)
Jackson Lab/BH	5	345.0	-5.58
Winter Harbor	30	48.0	-4.19
North East Harbor	10	230.0	-0.84
Total			-5.71

