

National Park Service - Island Astronomy Institute

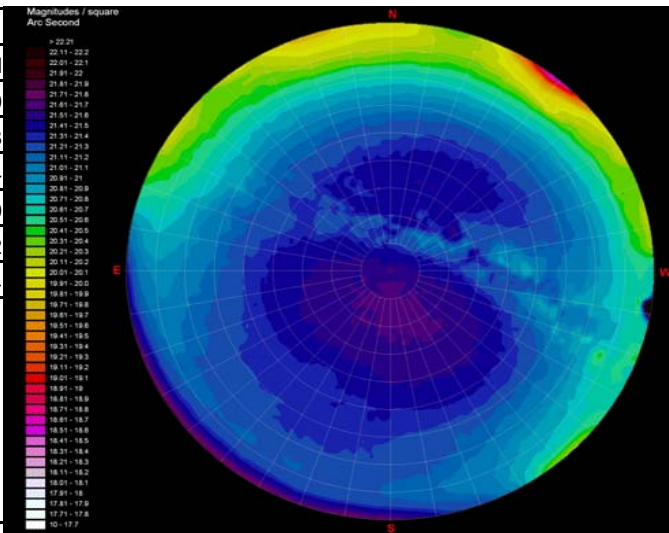
Night Sky Quality Monitoring Report



Report date: _____ by: _____

PARK:	Acadia	EQUIPMENT:	FLI#2, 50mm f2, Bessell 6084		
SITE NAME:	Cadillac Mountain	OBSERVERS:	Peter Lord		
LONGITUDE:	-68.22393	AIR TEMP (°F):	60		
LATITUDE:	44.3522	REL HUMID (%):	78		
ELEVATION (m):	464	WIND SP (mph):	14		
DATE (UT):	October 6, 2007	CCD TEMP (°C):	-10		
TIME START (UT):	2:39:07	EXP (seconds):	12		
DATA QUALITY:	Good	BORTLE CLASS:	4	ZLM:	6.4

NARRATIVE: First data set. Local ground fog present in Tremont. .Wind strong and gusting 12-16 from the N-W. SQM 21.4 Milky Way lost at horizon.



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	2:39:07			21.54					PAN
End	3:12:27	0.182	0.042	21.57	-7.48	-6.77	19.00	21.69	HEMI
2nd Start									
End									
3rd Start									
End									
4th Start									
End									
5th Start									
End									
6th Start									
End									

LIGHT DOME DATA

City	Distance (km)	Azimuth	1st Data Set Brightness (mags)
Total			-6.38

