

Dst指数で見る磁気嵐トップ10 (1957年以降)

IMF・太陽風データ
がある磁気嵐



#	年	月	日	UT	最小Dst
1	1989	3	14	1	-589
2	1959	7	15	19	-429
3	1957	9	13	10	-427
4	1958	2	11	11	-426
5	2003	11	20	20	-422
6	2001	3	31	8	-387
7	1967	5	26	4	-387
8	2004	11	8	6	-374
9	2003	10	30	0	-363
10	2003	10	30	22	-353

オーロラ観測@キャリントン事象

Ship	Date	Local Time	Latitude	Longitude	Reference
Release	August 28	8 to Midnight	39° 11'N	72° 07'	RG24
Savannah	August 28	8 to Midnight	37° 24'N	65° 51'W	RG24
Arcole	August 28-29	8PM-morning	41° 40'	46° 45'	RG27
Savannah	August 29	Midnight to 4	36° 09'N	64° 11'W	RG24
Saranac	August 29	Till 4 AM	Panama		RG24
Release	September 2	Midnight to 4	35° 32'N	60° 14'W	RG24
Messenger	September 2	By 1AM	49° 09'	67° 28'	RG27
Arcole	September 2	4AM	41° 16'	27° 12'	RG27
St. Mary's	September 2	12:00 AM	12° 23'00"N	88° 28'00"W	RG24
Sabine	September 2	12:30 AM	11° 14'19"N	83° 49'30"W	RG24

Table 1: Extraction of key information from the ship deck logs during the great geomagnetic storm of 1859.

Green and Boardsen (2006, ASR)

オーロラ観測@キャリントン事象

オーロラ(と思われる発光)
が観測された地点

Green and Boardsen
(2006, ASR)

Bombayで地磁気的大幅な
減少を観測した時刻

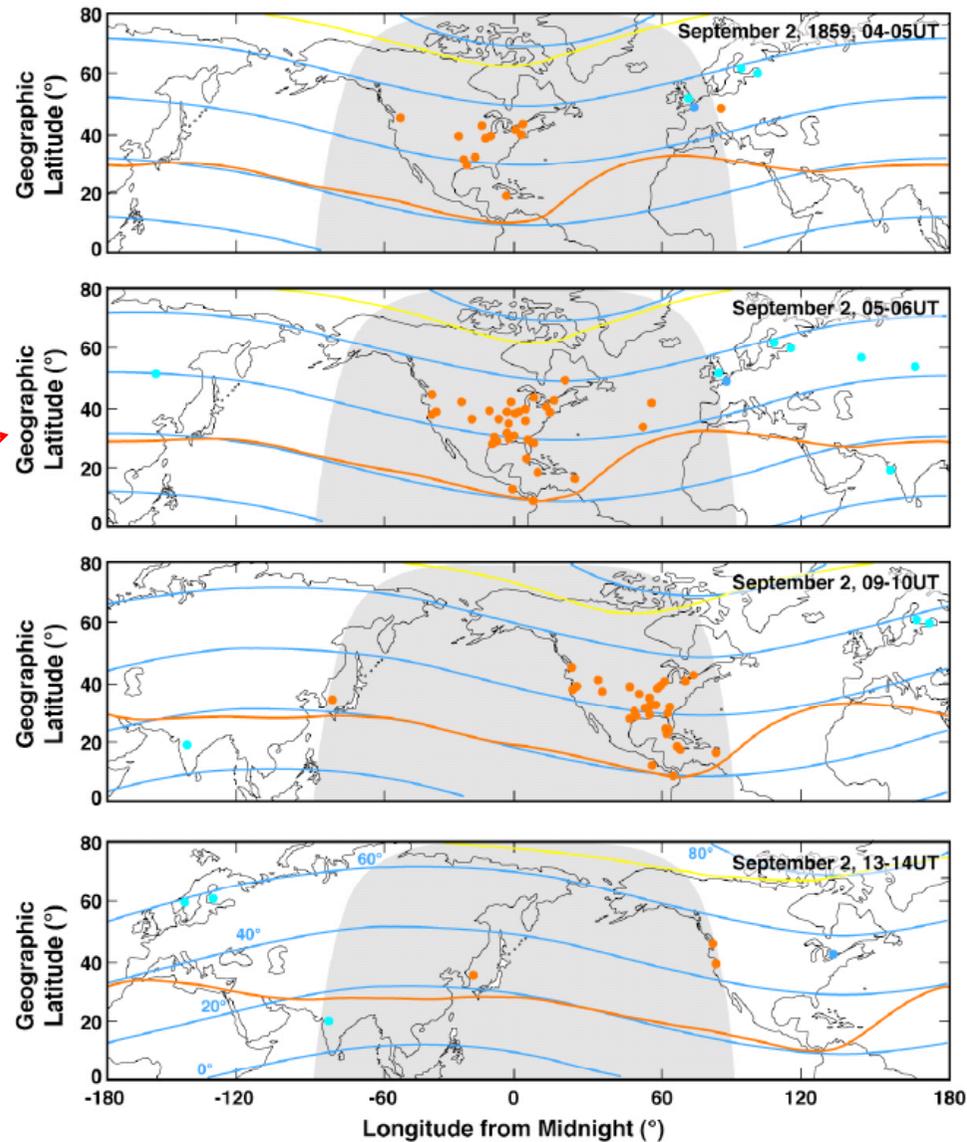
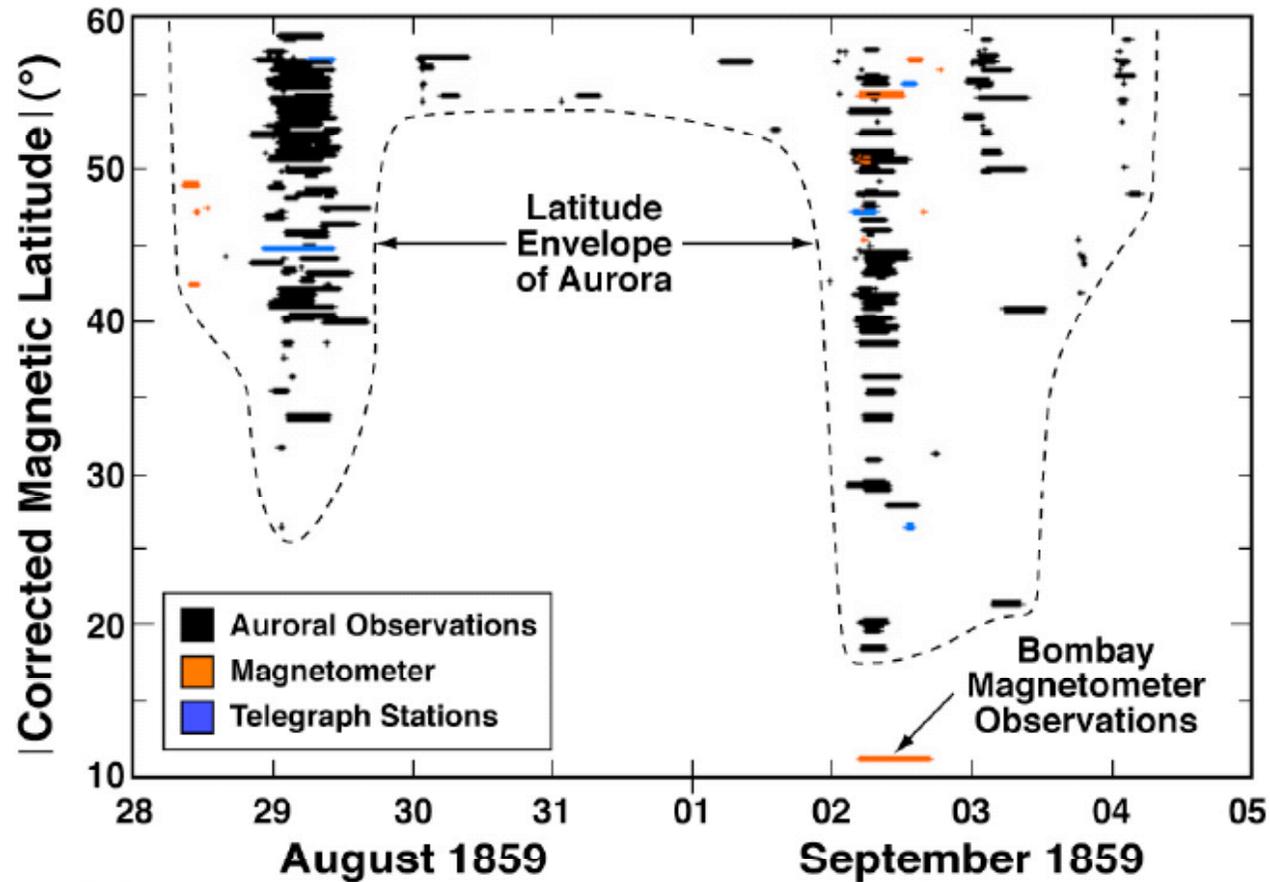


Figure 2: Same as Figure 1 except for September 2-3, 1859 over the northern hemisphere with each panel centered on midnight.

オーロラ観測@キャリントン事象



Green et al. (2006, ASR)

Figure 3: The absolute value of the corrected geomagnetic coordinates of each entry in the database as a function of Universal Time from August 28th through September 5, 1859.