

Highlights of Solar and Geomagnetic Activity  
18 - 24 November 1985

Solar activity was very low throughout the period. Three spotted regions were observed to decline during the period and the disk was spotless by 24 November. Flare activity was very weak and sporadic.

There were no significant proton enhancements at satellite altitudes.

Geomagnetic activity was unsettled 18 November and generally quiet thereafter with one brief interval of minor storm conditions. The minor storm conditions were observed at all latitudes 0000-0600 UT on 19 November. The interval of minor storm conditions was probably a result of the effects of one or both disappearing filaments on 15 November (N11E39, 7 degrees) and 16 November (N08E22, 3 degrees).

Forecast of Solar and Geomagnetic Activity  
27 November - 23 December 1985

Solar activity is expected to continue at a very low level throughout the period.

Geomagnetic activity is expected to be mostly unsettled to active early in the period and unsettled later in the period. Unsettled conditions will be observed 27-28 November. High active conditions are forecast 29-30 November on the basis of recurrence. However, minor storm conditions with brief periods of major storm conditions at high latitudes are possible 29-30 November due to the effects of a disappearing filament (N12E26, 8 degrees) on 25 November. Unsettled to active conditions 01-16 December and quiet to unsettled conditions 17-23 December should follow a recurrent pattern of several previous solar rotations.

DAILY SOLAR & GEOMAGNETIC INDICES

OTT	2800	SSP	XRAY	FREDERICKSBURG	ANCHORAGE
DATE	MHZ	NBR	BGD	A K - INDICES	A K - INDICES
11/18	79	46	B0.4	13 2-4-3-2-2-2-3-3	* *-*-*-*-*-*-*-*
11/19	78	30	B0.4	15 5-5-1-1-1-2-1-1	* *-*-*-*-*-*-*-*
11/20	78	29	B0.3	2 2-0-0-1-0-0-1-1	* *-*-*-*-*-*-*
11/21	76	25	B0.3	5 2-1-1-1-1-1-2-2	6 2-0-2-2-2-1-3-2
11/22	75	11	B0.2	7 3-3-1-1-2-1-2-0	10 3-3-1-3-3-2-2-2
11/23	75	11	B0.2	2 1-1-0-0-1-1-1-1	5 2-2-2-1-2-2-0-2
11/24	74	0	B0.2	4 1-2-1-1-0-1-2	7 2-2-2-3-2-1-2-2

Note: \* represent missing data due to equipment failure.

HFUS3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 330

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 26 NOV 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100  
TO 26/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24  
HOURS. THERE ARE NO SPOTTED REGIONS ON THE DISK AT PRESENT AND  
NO SIGNIFICANT REGIONS ARE EXPECTED TO RETURN.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO  
CONTINUE VERY LOW FOR THE ENTIRE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z:  
THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED FOR THE PAST  
24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS  
EXPECTED TO BE AT UNSETTLED TO ACTIVE LEVELS FOR THE FIRST TWO  
DAYS OF FORECAST PERIOD AND INCREASING TO HIGH ACTIVE LEVELS  
THE LAST DAY WITH THE POSSIBILITY OF STORM CONDITIONS OCCURRING.  
THE FORECAST IS BASED PRIMARILY ON RECURRENCE WITH THE EFFECTS  
OF A DISAPPEARING FILAMENT THAT OCCURED ON 25 NOVEMBER BEING  
THE CONTRIBUTING FACTOR TO THE STORM LEVEL CONDITIONS.

III. EVENT PROBABILITIES 27 NOV-29 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 NOV 071

PREDICTED 27 NOV-29 NOV 070/070/070

90 DAY MEAN 26 NOV 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 NOV 004/007

ESTIMATED AFR/AP 26 NOV 008/008

PREDICTED AFR/AP 27 NOV-29 NOV 012/010-019/015-025/025

SOLTERWARN

BT

HXUS BOU 262200

PREDM 00127 00128 00129

PREDX 00127 00128 00129

PREDP 00127 00128 00129

PCAF 00127

TENCM 07027 07028 07029

AFRED 01227 01928 02529

AFAPP 01027 01528 02529

BT