

Highlights of Solar and Geomagnetic Activity
4 - 10 November 1985

Solar activity was very low. Region 4700 (N14, L=219, class/area DA0/70 on 7 Nov) produced a few subflares without any significant associated parameters other than optical.

There were no significant proton enhancements at satellite altitudes.

The geomagnetic field was unsettled to active.

Forecast of Solar and Geomagnetic Activity
13 November - 9 December 1985

Solar activity is expected to be very low.

The geomagnetic field is expected to be generally unsettled to active. A recurrent minor storm is expected on 29 Nov. Two quiet days are expected 23-24 November.

| <u>DAILY SOLAR & GEOMAGNETIC INDICES</u> | | | | | | | | | |
|--|-------------|-----|------|----------------|---|---------------|-----------|---|---------------|
| DATE | OTT | SSP | XRAY | FREDERICKSBURG | | | ANCHORAGE | | |
| | 2800 MHZ | NBR | BGD | A | K | - INDICES | A | K | - INDICES |
| 11/ 4 | 69 | 0 | B0.1 | 11 | 4 | 3-3-2-1-2-2-2 | 11 | 2 | 2-3-3-3-3-2-2 |
| 11/ 5 | 70 | 18 | B0.0 | 9 | 2 | 1-2-3-2-1-1-4 | 20 | 3 | 2-2-5-5-2-3-3 |
| 11/ 6 | 71 | 21 | B0.1 | 10 | 3 | 4-2-2-2-2-1-2 | 14 | 2 | 4-2-3-4-3-2-2 |
| 11/ 7 | 73 | 22 | B0.2 | 7 | 3 | 3-2-2-1-0-1-2 | 12 | 2 | 3-2-4-3-2-2-* |
| 11/ 8 | 75 | 32 | B0.6 | 6 | 3 | 0-0-0-1-2-2-3 | * | * | *-*-*-*-*-*-* |
| 11/ 9 | 74 | 27 | B0.5 | 13 | 2 | 3-2-2-3-4-3-2 | 22 | 0 | 2-2-4-4-6-3-2 |
| 11/10 | 74 | 27 | B0.4 | 14 | 3 | 3-3-3-2-2-2-4 | 19 | 2 | 2-4-4-4-4-3-3 |

Note: * denotes missing values due to equipment problems.

Also, A values for 11/7, 11/9, and 11/10 are estimated for the same reason.

HFUS3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 316

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 12 NOV 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100
TO 12/2100Z: SOLAR ACTIVITY CONTINUES VERY LOW. NEWLY ASSIGNED
REGION 4702 (N02E78) ROTATED ONTO THE DISK TODAY AND IS
SITUATED VERY CLOSE TO THE LOCATION OF OLD REGION 4699. THE
REGION CONSISTS OF A SINGLE SPOT AND A MODEST AMOUNT OF DULL
PLAGE. REGION 4701 (S10E27) HAS BEEN QUIET WHILE GROWING
SLIGHTLY IN WHITE LIGHT.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY WILL REMAIN VERY
LOW FOR THE NEXT 72 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED THROUGHOUT
THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE AT UNSETTLED TO MILDLY ACTIVE LEVELS THROUGH 15
NOVEMBER.

III. EVENT PROBABILITIES 13 NOV-15 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 NOV 076

PREDICTED 13 NOV-15 NOV 077/078/079

90 DAY MEAN 12 NOV 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 NOV 010/012

ESTIMATED AFR/AP 12 NOV 006/010

PREDICTED AFR/AP 13 NOV-15 NOV 010/015-015/020-010/015

SOLTERWARN

BT

HXUS BOU 122200

PREDM 00113 00114 00115

PREDX 00113 00114 00115

PREDP 00113 00114 00115

PCAFT 00113

TENCM 07713 07814 07915

AFRED 01013 01514 01015

AFAPF 01513 02014 01515

BT