

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/06/86 00:00:00

End : 07/06/86 23:59:00

07/06 22:00

2125

US3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 187

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 JUL 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100
TO 06/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24
HOURS. HOWEVER, THERE ARE TWO NUMBERED REGIONS ON THE SOLAR
DISK AND BOTH HAVE PRODUCED SUBFLARES WITH SMALL X-RAY
ENHANCEMENTS. REGION 4734 (N27W47), A NEW CYCLE GROUP, HAS
REMAINED MOSTLY STABLE IN WHITE LIGHT BUT HAS INCREASED IN
MAGNETIC COMPLEXITY. THE LEADER PENUMBRAL AREA NOW CONTAINS
SPOTS OF OPPOSITE POLARITIES (A DELTA CONFIGURATION). REGION
4735 (S00E66), OLD CYCLE POLARITY, IS A GROWING C-TYPE GROUP
CONTAINING ACTIVE DARK FILAMENTS. A FILAMENT OF APPROXIMATELY
10 DEGREES IN LENGTH DISAPPEARED FROM S45W01 BETWEEN 0421 AND
0500 UT. IT HAD BEEN REPORTED AS ACTIVE EARLIER IN THE PERIOD.
THE SOLAR LIMBS WERE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
VERY LOW TO LOW FOR THE NEXT THREE DAYS. REGIONS 4734 AND 4735
COULD BOTH PRODUCE C-CLASS X-RAY EVENTS. HOWEVER, ISOLATED
SIGNIFICANT (M-CLASS) FLARES ARE POSSIBLE FROM REGION 4734.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED FOR
THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO PERSIST AT QUIET TO OCCASIONALLY UNSETTLED LEVELS
FOR THE NEXT THREE DAYS. ACTIVITY MAY INCREASE DURING THE
FOLLOWING THREE DAYS IN RESPONSE TO DISTURBED SOLAR WIND
ASSOCIATED WITH TODAY'S FILAMENT DISAPPEARANCE.

III. EVENT PROBABILITIES 07 JUL-09 JUL

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 JUL 072

PREDICTED 07 JUL-09 JUL 072/072/072

90 DAY MEAN 06 JUL 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 JUL 007/011

ESTIMATED AFR/AP 06 JUL 004/011

PREDICTED AFR/AP 07 JUL-09 JUL 005/013-005/014-005/015

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