

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 06/16/86 00:00:00

End : 06/16/86 23:59:00

06/16 22:00

2131

HFUS3 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 167

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 16 JUN 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100 TO 16/2100Z: SOLAR ACTIVITY WAS VERY LOW. THE DISK WAS SPOTLESS. A PREVIOUSLY UNREPORTED ERUPTIVE PROMINENCE LOCATED BEHIND THE EAST LIMB AT S25 OCCURRED BY 13/2130Z. THIS 10 DEGREE ERUPTIVE PROMINENCE WAS COINCIDENT WITH A LONG DURATION X-RAY EVENT. A CORRECTION TO THE DISAPPEARING FILAMENT REPORT YESTERDAY: THE FILAMENT WAS GONE BY 15/1344Z FROM S35E32 BUT WAS SEPARATED INTO TWO CLUMPS FOR A TOTAL OF 10 DEGREES LENGTH. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO QUIET.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE. A VERY SLIGHT CHANCE OF STORM CONDITIONS IS POSSIBLE DUE TO THE ERUPTIVE PROMINENCE FROM SE25 (BEHIND THE LIMB) EVENT AT 13/2130Z. THIS UNLIKELY PROBABILITY OF STORM CONDITIONS IS REFLECTED IN ONLY A VERY SLIGHT ENHANCEMENT OVER THE AVERAGE RECURRENT VALUES, BUT THE ~~VERY~~ DISTINCTIVE LONG DURATION X-RAY ASSOCIATION DEMANDS A MARGINAL INCREASE.

III. EVENT PROBABILITIES 17 JUN-19 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JUN 069

PREDICTED 17 JUN-19 JUN 069/069/069

90 DAY MEAN 16 JUN 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 JUN 006/010

ESTIMATED AFR/AP 16 JUN 004/015

PREDICTED AFR/AP 17 JUN-19 JUN 008/012-011/017-008/013

SOLTERWARN

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