

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 05/12/87 00:00:00

End : 05/12/87 23:59:00

05/12 22:00

2200

HFUS3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 132

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 12 MAY 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100Z TO 12/2100Z: SOLAR ACTIVITY REMAINS VERY LOW. A NEW SPOT GROUP EMERGED ON THE DISK IN THE PAST 12 HOURS AND IS ASSIGNED REGION NUMBER 4809 (N27W22). IT IS A SIMPLE BIPOLE CONSISTING OF THREE SPOTS, BROKEN PLAGE, AND A STRONG ARCH-FILAMENT SYSTEM. SPOTS WERE ALSO OBSERVED FOR A TIME NEAR S56W30. NO FLARES WERE OBSERVED DURING THE PERIOD. THE LIMBS WERE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. SURGING MAY OCCUR AT WEST LIMB NEAR S24 WHERE REGION 4804 IS NOW POSITIONED.

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

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE 14 MAY IN RESPONSE TO A FILAMENT DISAPPEARANCE ON 10 MAY. QUIET TO UNSETTLED LEVELS WILL PREVAIL THE REMAINDER OF THE INTERVAL.

III. EVENT PROBABILITIES 13 MAY-15 MAY

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 MAY 084

PREDICTED 13 MAY-15 MAY 083/081/079

90 DAY MEAN 12 MAY 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 MAY 006/008

ESTIMATED AFR/AP 12 MAY 003/008

PREDICTED AFR/AP 13 MAY-15 MAY 005/012-010/017-005/012

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