

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 08/16/86 00:00:00

End : 08/16/86 23:59:00

08/16 22:00

2138

S3 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 228

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 16 AUG 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100 TO 16/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. A SMALL SUNSPOT GROUP, NUMBERED 4742, APPEARED TODAY AT N02E14. THE REGION DECAYED FROM A BIPOLE GROUP TO A SINGLE SPOT DURING THE DAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET AT MID-LATITUDES AND UNSETTLED AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY QUIET AT MID-LATITUDES AND UNSETTLED AT HIGH LATITUDES ON 17 AND 18 AUGUST. A SLIGHT INCREASE IN GEOMAGNETIC ACTIVITY IS EXPECTED ON 19 AUGUST DUE TO THE SIXTY DEGREE FILAMENT THAT DISAPPEARED AT ABOUT 1200UT ON 15 AUGUST.

III. EVENT PROBABILITIES 17 AUG-19 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 AUG 068

PREDICTED 17 AUG-19 AUG 068/068/068 ,

90 DAY MEAN 16 AUG 070

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 AUG 007/011

ESTIMATED AFR/AP 16 AUG 005/010

PREDICTED AFR/AP 17 AUG-19 AUG 007/012-007/012-010/017

SOLTERWARN

BT

NNNN

<003>