

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 08/03/86 00:00:00

End : 08/03/86 23:59:00

08/03 22:00

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FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 215

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 03 AUG 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100 TO 03/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4741 (N09W18) HAS CHANGED FROM A DECAY STATUS YESTERDAY TO NEW GROWTH TODAY. THERE HAVE BEEN NEW SPOTS AND NEW PENUMBRA REPORTED. THE REGION IS NOW A DSO/BETA SPOT GROUP. THERE HAVE BEEN MINOR FLARES, BOTH IN OPTICAL AND X-RAY, DURING THE LAST 24 HOURS FROM REGION 4741.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. REGION 4741 WILL CONTINUE TO BE AN ACTIVITY PRODUCER FOR AT LEAST THE NEXT 24 HOURS. THE ACTIVITY IS NOT EXPECTED TO BE ABOVE MINOR FLARE LEVEL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY ACTIVE DURING THE LAST 24 HOURS. PERIODS OF MINOR STORM CONDITIONS WERE OBSERVED AT HIGH LATITUDES AT VARIOUS TIME DURING THE PERIOD. THE UNEXPECTED INCREASE IN ACTIVITY IS BELIEVED TO BE ASSOCIATED WITH THE REMNANTS OF A 39 DEGREE FILAMENT DISAPPEARANCE (N36E63) THAT OCCURRED ON 28 JULY.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED ON 4 AUGUST AND QUIET TO UNSETTLED ON 5 AND 6 AUGUST. THE FORECAST IS BASED PRIMARILY ON RECURRENCE AS THE ACTIVITY OF THE PAST 24 HOURS IS NOT EXPECTED TO CONTINUE.

III. EVENT PROBABILITIES 04 AUG-06 AUG

CLASS M 02/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 AUG 071

PREDICTED 04 AUG-06 AUG 070/070/070

90 DAY MEAN 03 AUG 070

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 AUG 005/009

ESTIMATED AFR/AP 03 AUG 015/022

PREDICTED AFR/AP 04 AUG-06 AUG 008/012-005/010-005/010

SOLTERWARN

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