

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 04/10/87 00:00:00

End : 04/10/87 23:59:00

04/10 22:00

3001

HFUS3 BDU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 100

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 10 APR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100Z TO 10/2100Z: SOLAR ACTIVITY WAS LOW. REGION 4790 (S30E27) GREW MORE SPOTS SOUTH AND WEST OF ITS MAIN LEADER. IT WAS ENCROACHING INTO REGION 4787 (S34E23) TRAILER PORTION AT THE SAME TIME THAT REGION 4787 WAS DEVELOPING MORE INTERMEDIATE SPOTS. MODERATE SHEAR IN THIS AREA CONTINUES WITH MODERATE FLARE POTENTIAL. REGION 4786 (S23W20) PRODUCED A C5/1B AT 10/1825Z. THIS WAS THE MOST SIGNIFICANT EVENT OF THE PERIOD. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGION 4787 AND 4790 CONTINUE TO PROVIDE A FAIR CHANCE OF MODERATE ACTIVITY. THEIR MERGING RELATIONSHIP STILL SUPPORTS A VERY SLIGHT TO SLIGHT CHANCE OF A PROTON FLARE AS THE REGIONS APPROACH AND ENTER THE WESTERN HEMISPHERE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED. BRIEF MINOR STORM CONDITIONS OCCURRED AT HIGH LATITUDES EARLY IN THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE.

III. EVENT PROBABILITIES 11 APR-13 APR

CLASS M 40/40/40

CLASS X 04/04/04

PROTON 05/10/15

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 APR 100

PREDICTED 11 APR-13 APR 102/104/102

90 DAY MEAN 10 APR 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 APR 008/010

ESTIMATED AFR/AP 10 APR 008/012

PREDICTED AFR/AP 11 APR-13 APR 013/015-013/015-013/015

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04/10 22:00

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INTO REGION44

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