

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 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100Z TO 12/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4652 (S12E12) CONTINUED TO PROVIDE SUB-FLARES AND LOW-LEVEL X-RAY EVENTS. THE LARGEST AT 12/1830Z WAS A C1/0B WITH AN ASSOCIATED RADIO BURST OF 90 SFU AT 245 MHZ. IT DECREASED SLIGHTLY IN WHITE-LIGHT AREA AND SPOT NUMBER BUT RETAINED ITS DK1 CLASSIFICATION.

OBSERVATORY CONSENSUS WAS THAT IT ALSO RETAINED ITS BETA-TYPE MAGNETIC CONFIGURATION. REGION 4649 (N04W88) DECAYED TO A SIMPLE ALPHA-TYPE. NO NEW REGION WAS ASSIGNED. A FIVE DEGREE LONG DISAPPEARING FILAMENT WAS REPORTED GONE BY 12/1028Z FROM N05W53.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4652 CONTINUES TO PROVIDE A VERY SLIGHT CHANCE OF MODERATE-LEVEL ACTIVITY. RETURNING REGION 4646 (S07, CAR-267) DOESN'T PROVIDE SIGNIFICANT ACTIVITY POTENTIAL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z: GEOMAGNETIC ACTIVITY WAS UNSETTLED-TO-ACTIVE.

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

III. EVENT PROBABILITIES 13 MAY-15 MAY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 MAY 090

PREDICTED 13 MAY-15 MAY 092/091/090

90 DAY MEAN 12 MAY 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 MAY 007/009

ESTIMATED AFR/AP 12 MAY 012/015

PREDICTED AFR/AP 13 MAY-15 MAY 007/015-007/015-007/015

SOLTERWARN

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