

HFUS 3 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 169B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 JUN 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/1200Z TO 18/2100Z: SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST NINE HOURS WITH ALL X-RAY BURSTS AT CLASS C4 OR LESS. THE MOST SIGNIFICANT EVENT WAS A C3/SB AT 1513Z FROM REGION 3776 (N13W05). MODERATE CENTIMETRIC BURSTS AND SHORT WAVE FADE THROUGH 12 MHZ ACCOMPANIED THIS FLARE. OTTAWA REPORTED A 268 FU BURST AT 2800 MHZ WITH THIS FLARE. REGION 3776 CONTINUES A SLOW DECAY WITH A GRADUAL EASING OF THE MAGNETIC COMPLEXITY. REGION 3781 (N16E32) HAS DEVELOPED INTO A BETA GAMMA CONFIGURATION. NO NEW REGIONS HAVE BEEN ADDED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE MODERATE WITH REGION 3776 STILL CAPABLE OF PRODUCING ENERGETIC EVENTS INCLUDING AN ISOLATED CLASS X EVENT.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. THE FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 19 JUN-21 JUN

CLASS M 80/80/80

CLASS X 25/25/25

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 JUN 201

PREDICTED 19 JUN-21 JUN 195/190/190

90 DAY MEAN 18 JUN 165

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 JUN 008/012

ESTIMATED AFR/AP 18 JUN 009/010

PREDICTED AFR/AP 19 JUN-21 JUN 015/015-015/015-015/015

SOLTERWARN

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