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FROM

HEADQUARTERS 052200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDR NUMBER 217

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 05 AUG 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100Z TO 05/2100Z: SOLAR ACTIVITY HAS BEEN MODERATE. ACTIVITY HAS BEEN LIMITED TO AN M1/B FLARE AT 05/1255Z MAX. AND SEVERAL C-CLASS SUBFLARES FROM REGION 4263 (S09W39) AND A SUBFLARE WITH NO ASSOCIATED XRAY FROM NON-UNSPOTTED REGION 4271 (S20W00) AT 05/1250Z. REGION 4263 CONTINUES IN DECAY PHASE AND REMAINING REGIONS ARE SMALL AND STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE MODERATE TO LOW WITH OCCASIONAL LARGE C-CLASS OR SMALL M-CLASS FLARES CONTINUING IN REGION 4263 DURING ITS DECAY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE EXPECTED ACTIVITY FROM FLARE INDUCTION DID NOT OCCUR.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO CONTINUE QUIET TO NEAR QUIET FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 06 AUG-08 AUG

CLASS M 60/60/60

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 AUG 133

PREDICTED 06 AUG-08 AUG 130/125/120

90 DAY MEAN 05 AUG 134

V. GEOMAGNETIC A AND CFS

OBSERVED APR/APR 04 AUG 006/000

ESTIMATED APR/APR 05 AUG 005/010

PREDICTED APR/APR 06 AUG-08 AUG 006/015-006/015-006/015

S. TIERHART

BT