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HF US A RON 052200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDT NUMBER 217

JAN W USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0000Z 15 AUG 1983

I.A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100 TO 05/2100: SOLAR ACTIVITY HAS BEEN MODERATE. ACTIVITY HAS BEEN LIMITED TO AN M1/1B FLARE AT 05/1255Z MAY. AND SEVERAL C-CLASS SUNFLARES FROM REGION 4263 (S09W130) AND A SUNFLARE WITH NO ASSOCIATED XRAY FROM NOW UNSPOTTED REGION 4271 (S 21E20) AT 05/1258Z. 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.

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

III. EVENT PROBABILITIES FOR AUG-28 AUG

CLASS M 69/67/60

CLASS X 01/21/01

PROTON 01/91/01

POAFA IRREN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 AUG 133

PREDICTED 130 AUG-132 AUG 132/105/120

90 DAY MEAN 05 AUG 134

V. GEOMAGNETIC INDEXES

OBSERVED AFR/AP 04 AUG 006/000

ESTIMATED AFR/AP 05 AUG 005/010

PREDICTED AFR/AP 06 AUG-29 AUG 006/015-016/015-006/015

S-INTERMAG

BT