

HFUS3 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 171

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 19 JUN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100 TO 19/2100Z: SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. REGION 4513 (S06W17) PRODUCED THREE SUB FAINT FLARES, NO SIGNIFICANT X-RAYS OBSERVED, THIS PERIOD. REGION 4513 HAS LOST AREA BUT GAINED IN THE NUMBER OF SMALL SPOTS IN ITS TRAILER SECTION. NO NEW REGION WAS OBSERVED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THIS FORECAST PERIOD. REGION 4513 ALONG WITH RETURNING REGIONS DO NOT APPEAR CAPABLE OF ENERGETIC EVENTS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AT THE MID LATITUDES AND PERIODS OF STORM CONDITIONS AT THE HIGH LATITUDES. THIS

ACTIVITY IS THOUGHT TO BE FROM CORONAL HOLE HIGH SPEED STREAMS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE THE FIRST AND LAST DAYS OF THE FORECAST WHILE THE SECOND DAY WILL BE UNSETTLED. A SMALL GAP BETWEEN THE TWO CORONAL HOLES CURRENTLY IN THE NORTHERN PORTION OF THE SOLAR DISK SHOULD MAKE THE SECOND DAY UNSETTLED.

III. EVENT PROBABILITIES 20 JUN-22 JUN

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 JUN 104

PREDICTED 20 JUN-22 JUN 102/099/098

90 DAY MEAN 19 JUN 123

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 JUN 027/028

ESTIMATED AFR/AP 19 JUN 022/030

PREDICTED AFR/AP 20 JUN-22 JUN 020/025-012/020-020/030

SOLTERWARN

BT