

HFUS3 BOU 182200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 138

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 18 MAY 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100
TO 18/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4656
(N09E57) IS CURRENTLY THE MOST IMPRESSIVE REGION ON THE DISK.
CONTINUED FILAMENT ACTIVITY AND ONE SUBFLARE HAVE BEEN OBSERVED
THERE TODAY. REGION 4652 (S13W70) ALSO PRODUCED ONE SUBFLARE
AS IT CONTINUED TO DECAY. WHITE LIGHT GROWTH WAS REPORTED IN
REGION 4653 (N07W58) AS NEW SPOTS EMERGED. REGION 4655
(S09E31) HAS BEEN MOSTLY STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE
VERY LOW. ONLY OCCASIONAL C-CLASS SUBFLARES ARE EXPECTED WITH
REGIONS 4652 AND 4656 THE MOST LIKELY SOURCES.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN AT QUIET TO UNSETTLED LEVELS THE
PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: UNSETTLED CONDITIONS ARE
EXPECTED THROUGH 20 MAY. MILDLY ACTIVE LEVELS ARE FORECAST FOR
21 MAY.

III. EVENT PROBABILITIES 19 MAY-21 MAY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 MAY 091

PREDICTED 19 MAY-21 MAY 091/090/089

90 DAY MEAN 18 MAY 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 MAY 007/011

ESTIMATED AFR/AP 18 MAY 011/014

PREDICTED AFR/AP 19 MAY-21 MAY 012/015-012/015-015/020

SOLTERWARN

BT