

FUS 3 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 268

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 25 SEP 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100
TO 25/2100Z: SOLAR ACTIVITY HAS REMAINED LOW. X-RAY BURSTS HAVE
BEEN C1 OR LESS. MOST OF THE FLARES HAVE OCCURRED IN REGION
4324 (S20E33). NEW GROWTH IS OCCURRING WEST OF THE LARGE
TRAILER SPOT IN REGION 4324. THIS HAS BEEN THE SITE OF THE
FLARES AND NUMEROUS FLUCTUATIONS/BRIGHT POINTS. REGIONS 4325
(N07W08) AND 4326 (S15E61), BOTH REGIONS ARE SIMPLE WITH DULL
PLAGE, WERE ADDED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN LOW. HOWEVER, CONTINUED GROWTH AND AN INCREASE IN
COMPLEXITY IN REGION 4324 COULD TRIGGER CLASS M ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN ACTIVE WITH PERIODS AT STORM
LEVEL AT HIGH LATITUDES. ISSE-3 CURRENTLY IS RECORDING THE HIGH
WIND SPEED/LOW DENSITY SIGNATURE OF A CORONAL HOLE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO REMAIN ACTIVE, WITH PERIODS AT STORM LEVEL -
PRIMARILY AT HIGH LATITUDES, THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 26 SEP-28 SEP

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 SEP 111

~~PREDICTED 26 SEP-28 SEP 112/113/113~~

90 DAY MEAN 25 SEP 120

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 SEP 009/012

ESTIMATED AFR/AP 25 SEP 021/020

PREDICTED AFR/AP 26 SEP-28 SEP 025/025-020/020-015/020

SOLTERWARN

BT