

HFUS 1 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 196

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 14 JULY 1980

IA. SOLAR ACTIVITY WAS HIGH TODAY DUE TO AN X1/1B FLARE AT 0814Z  
FROM REGION 2562 (S12E29). THIS REGION LOST TWO OF ITS THREE  
DELTAS AND ITS MAGNETIC GRADIENT HAS RELAXED CONSIDERABLY. REGIONS  
2559 (N17E03) AND 2563 (N20E06) HAVE COALESCED SUFFICIENTLY SO  
THEY WILL PROBABLY LOSE THEIR SEPARATE IDENTITIES TOMORROW. REGIONS  
2563 AND 2567 (S12E49) BOTH AGAIN PRODUCED SUBFLARES TODAY.  
REGIONS 2554 (N17W41) AND 2565 (N17W49) LOST THEIR DELTAS. THREE  
NEW REGIONS WERE OBSERVED TODAY: 2571 (S19E84), 2572 (N10E83),  
AND 2573 (N20W12).

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN HIGH ONE MORE DAY BECOMING  
MODERATE THE FOLLOWING TWO DAYS DUE TO DECAY IN REGION 2562 AND  
SUSTAINED MODERATE FLARE POTENTIAL IN REGIONS 2563 AND 2567.

II. THE GEOMAGNETIC FIELD WAS MILDLY UNSETTLED TODAY. TOMORROW THE  
FIELD IS EXPECTED TO BE MORE UNSETTLED DUE TO THE X1/1B FLARE ON  
14 JULY, BECOMING UNSETTLED TO QUIET THE FOLLOWING TWO DAYS.

III. EVENT PROBABILITIES 15 JULY - 17 JULY

CLASS M 85/80/75

CLASS X 20/15/10

PROTON 05/05/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 JULY 203

PREDICTED 15-17 JULY 208/213/217

90-DAY MEAN 14 JULY 200

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 JULY 11

ESTIMATED AFR/AP 14 JULY 07/10

PREDICTED AFR/AP 15-17 JULY 11/12 - 07/09 - 06/08

SOLTERWARN

BT