

HFUS 1 BOU (112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 011

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z (11 JANUARY 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS.  
AN M3/1B FLARE OCCURRED FROM REGION 1492 (S17W22) AT 11/0740Z  
WITH MINOR RADIO BURSTS AND A SHORTWAVE FADE (SWF) ASSOCIATED.  
A C5/1N FLARE OCCURRED FROM REGION 1507 (S24E63) AT 11/055Z  
WITH ASSOCIATED PARALLEL RIBBONS AND TYPES II, III AND V RADIO  
BURSTS. A 1B FLARE WAS ALSO REPORTED FOR REGION 1494 (N09W41)  
AT 11/0706Z AND NUMEROUS MINOR C-CLASS X-RAY FLARES OCCURRED  
FROM REGION 1502 (N15E14).

IB. SOLAR ACTIVITY SHOULD REMAIN AT MODERATE LEVELS DURING THE  
FORECAST PERIOD. REGIONS 1492 (S17W30), 1494 (N10W48), AND 1502  
(N16E08) ARE ALL BETA GAMMA MAGNETICALLY AND ARE POTENTIAL  
PRODUCERS OF MODERATELY ENERGETIC EVENTS. REGION 1507 (S24E52)  
APPEARS TO BE GROWING MORE COMPLEX AND COULD PRODUCE ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE LAST 24 HOURS  
IT SHOULD INCREASE TO UNSETTLED LEVELS AS THE GEOMAGNETIC FIELD  
COMES UNDER THE EFFECTS OF A CORONAL HOLE WHICH TRAVERSED THE  
SOLAR CENTRAL MERIDIAN ON 10 JANUARY.

III. EVENT PROBABILITIES 12-14 JANUARY

CLASS M 40/40/30

CLASS X 05/05/05

PROTON 05/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JANUARY 185

PREDICTED 12-14 JANUARY 180/176/172

90-DAY MEAN 11 JANUARY 169

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 JANUARY 04

ESTIMATED AFR/AP 11 JANUARY 05/07

PREDICTED AFR/AP 12-14 JANUARY 10/12 - 13/15 - 15/15

SOLTERWARN

BT