

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 452A ISSUED AT 1700Z

FEBRUARY 26 1967.

A. CONDITIONS FOR MAJOR FLARE ACTIVITY STILL EXIST IN THE GIANT REGION AT N23 E09 BUT THE PROBABILITY FOR SUCH ACTIVITY IS NOW DECREASING. THE AREA OF THE TYPE F GROUP HAS DECREASED TO LESS THAN 1600 MILLIONTHS DUE TO DETERIORATION OF PENUMBRA THROUGHOUT THE GROUP. THE LEADING PORTION OF THE GROUP HAS ENLARGED AND DEVELOPED A SYMMETRIC LEADER SPOT WITH A LARGE DARK UMBRA. THIS DEVELOPMENT MAY INDICATE A MORE STABLE REGION. INADEQUATE FLARE PATROL COVERAGE PREVENTS PROPER ASSESSMENT OF FLARE POTENTIAL FROM CONSIDERATION OF PLAGE STRUCTURE. ONLY OCCASSIONAL FLARES OF IMPORTANCE ONE OR LESS HAVE OCCURRED IN THIS REGION IN THE LAST 48 HOURS. OVERALL ACTIVITY INDICES HAVE RISEN AND ARE EXPECTED TO CONTINUE TO RISE DUE TO THE APPEARANCE OF FIVE NEW SUNSPOT GROUPS. FOUR GROUPS HAVE FORMED ON THE DISK AT N17 W22 N12 W12 S18 E33 AND S14 E42. ALL ARE NOW SMALL BUT THE LAST TWO HAVE DARK SPOTS WITH SIGNS OF PENUMBRA TRYING TO DEVELOP. THIS AND THEIR SPOT CONFIGURATIONS AND CLOSE PROXIMITY TO EACH OTHER INDICATE THEY MAY DEVELOP RAPIDLY. THE FIFTH NEW GROUP IS A SMALL TYPE C WHICH ROTATED INTO VIEW AT S18 E88. THREE SMALL GROUPS IN BRIGHT FACULAE WILL PASS OVER NW LIMB DURING THE FORECAST PERIOD. ADDITIONAL REGIONS ARE DUE TO RETURN TO NE LIMB DURING THE SAME INTERVAL. SUNSPOT AREAS ARE MILLIONTHS OF THE SOLAR HEMISPHERE.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD FEBRUARY 27-29 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GR

ATER 90/90/90

IMPORTANCE THREE OR GREATER 35/35/35

PROTON EVENTS 35/35/35

*yesterday's figures*

C. THE OTTAWA 10.7 CM FLUX TODAY IS ESTIMATED TO BE 180.

THE PREDICTED VALUES FOR FEBRUARY 27-29 ARE 185/190/190.

D. THE FREDERICKSBURG MAGNETIC A INDEX INFORMATION WILL BE INCLUDED ON THE 2300Z FORECAST.

BT

NNNNUUUV

RR DAA

DE BOU 262325Z

THIS IS THE MESSAGE FOR REFILE ADVBO ALCON PIANO DELTA SPOTS WEAK AND SPOT AREA DECLINE AND LOW FLARE ACTIVITY.

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 452B ISSUED AT 2300Z

FEBRUARY 26 1967.

A. THE MAJOR ACTIVE REGION AT N23 E06 CONTINUES A DECLINE IN SPOT AREA. NO FLARE ACTIVITY HAS BEEN REPORTED FROM THIS REGION SINCE IMPORTANCE ONE FLARES AT 0458Z AND 0755Z. THE SPOTS CONTINUE TO FORM A HIGHLY COMPLICATED MAGNETIC CONFIGURATION BUT THE SPOT MEMBERS ARE NOT WELL DEVELOPED. MAJOR FLARES ARE STILL LIKELY BECAUSE OF THE SIZE AND COMPLEXITY OF THE GROUP. RADIO OBSERVATIONS INDICATE A WEAK SOLAR EVENT NEAR 1855Z. OVERALL SOLAR INDICES ARE EXPECTED TO CONTINUE TO RISE DUE TO REGIONS DEVELOPING IN SE QUADRANT AND SIGNIFICANT REGIONS APPEARING AT NE AND SE LIMBS.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD FEBRUARY 27- MARCH 1 ARE AS FOLLOWS /FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS/

IMPORTANCE ONE OR GREATER 100/100/100

IMPORTANCE TWO OR GREATER 70/60/50

IMPORTANCE THREE OR GREATER 20/15/10

PROTON EVENTS 20/15/10

THE ABOVE NUMBERS SHOULD HAVE BEEN FOR THE 1700Z FORECAST ALSO.

C. THE OTTAWA 10.7 CM FLUX TODAY IS 180. THE PREDICTED VALUES FOR FEBRUARY 27-MARCH 1 ARE 185/190/190.

D. THE FREDERICKSBURG MAGNETIC A INDEX FOR YESTERDAY WAS 9.

TODAY IT WILL BE ABOUT 6. THE PREDICTED VALUES FOR

FEBRUARY 27-MARCH 1 ARE 11/15/15.