

NNNN0356

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KMSC

HAUS BOU 120400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 443A ISSUED 0400Z 12 NOVEMBER 1969

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. FOR THE PAST 12-HOUR PERIOD NO FLARES HAVE BEEN REPORTED.

FURTHERMORE NO SIGNIFICANT GROWTH HAS OCCURRED WITHIN ANY OF THE VISIBLE SPOT GROUPS.

B. THE LULL IN ACTIVITY IS EXPECTED TO CONTINUE FOR AT LEAST THE NEXT 3 DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 12 NOV/0400Z ENDING 15 NOV/0400Z.

CLASS M OR GREATER 30/30/20

CLASS X 05/05/02

PROTON EVENTS 05/02/02

D. OTTAWA 10.7 CM FLUXES AT 11/1700 AND 2000Z WERE 124 AND 123 RESPECTIVELY

SOLTERWARN

SPAN

BT

NNNN1700

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KMSC

HAUS BOU 121700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 443B ISSUED 1700Z 12 NOV 1969

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. HIGHLIGHTS FOR THE PERIOD 04-12 NOVEMBER 1969--

AN UNUSUALLY HIGH LEVEL OF ACTIVITY WAS MAINTAINED DURING THE FIRST TWO DAYS OF THE ABOVE PERIOD FROM TWO RATHER SMALL SPOT GROUPS /MCMATH REGIONS 411 AND 412/. THE SMALLER /411/ PRODUCED FIVE CLASS M FLARES AT THE FOLLOWING TIMES--04/1552/SN/ 2026/1N/ 2125/1N/ 05/0331/1N/ AND 1111/SN/. REGION 412 FLARED AT 04/0408/1B/ AND 05/1750/2B/. THIS SPOT GROUP HAS EVOLVED VERY SLOWLY DURING THE PAST EIGHT DAYS WHILE 411 IS BARELY DISCERNABLE IN WHITE LIGHT. SINCE NOVEMBER 4 AND 5 THE FREQUENCY AND INTENSITY OF FLARES HAS REMAINED NEARLY CONSTANT - UNDER TEN CLASS C'S PER DAY. A MINOR MAGNETIC STORM BEGAN 03/1837Z AND CONTINUED APPROXIMATELY 2-1/2 DAYS. THE FREDERICKSBURG A-INDICES FOR THE 9TH AND 10TH WERE 31 AND 27 RESPECTIVELY.

B. FORECAST FOR THE PERIOD 13-19 NOVEMBER 1969--

IT IS STILL TOO EARLY TO CONCLUDE WHETHER OR NOT MCMATH REGION 385A /SOURCE OF THE 02 NOVEMBER PCA/ HAS OR HAS NOT BEEN ACTIVE ON THE BACK SIDE. THE NUMBER OF CLASS C AND M FLARES IS EXPECTED TO INCREASE ON OR AFTER NOVEMBER 14 AS A RESULT OF THE RETURN OF THESE ACTIVE LONGITUDES. ALTHOUGH AN ENERGETIC PARTICLE EVENT IS NOT ABSOLUTELY RULED OUT DURING THIS PERIOD THE PAST FREQUENCY OF SUCH EVENTS STRONGLY FAVORS DECEMBER FOR THE NEXT ONE.

23-DAY FORECAST FOR 13 NOVEMBER-10 DECEMBER 1969--

DURING THE FIRST WEEK IN DECEMBER SOLAR ACTIVITY IS EXPECTED TO BE ENHANCED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 12/1700Z ENDING 15/1700Z.

CLASS M OR GREATER 20/25/40

CLASS X 02/05/10

PROTON EVENTS 02/05/10

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 124. PREDICTED 120/120/128.

E. MAGNETIC A-FREDERICKSBURG FOR 11 NOV WAS 08. FOR 12 NOV ABOUT 06. PREDICTED AP FOR 13-15 NOV 08/10/10.

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B. FORECAST FOR THE PERIOD 13-19 NOVEMBER 1969--

IT IS STILL TOO EARLY TO CONCLUDE WHETHER OR NOT MCMATH REGION 385A /SOURCE OF THE 02 NOVEMBER PCA/ HAS OR HAS NOT BEEN ACTIVE ON THE BACK SIDE. THE NUMBER OF CLASS C AND M FLARES IS EXPECTED TO INCREASE ON OR AFTER NOVEMBER 14 AS A RESULT OF THE RETURN OF THESE ACTIVE LONGITUDES. ALTHOUGH AN ENERGETIC PARTICLE EVENT IS NOT ABSOLUTELY RULED OUT DURING THIS PERIOD, THE PAST FREQUENCY OF SUCH EVENTS STRONGLY FAVORS DECEMBER FOR THE NEXT ONE.

28-DAY FORECAST FOR 13 NOVEMBER-10 DECEMBER 1969--

DURING THE FIRST WEEK IN DECEMBER SOLAR ACTIVITY IS EXPECTED TO BE ENHANCED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 12/1700Z ENDING 15/1700Z.

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