

HFUS 1 BOU 090500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 252A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 09 SEPTEMBER 1974

IA. SOLAR ACTIVITY HAS BEEN LOW. SEVERAL SMALL X-RAY EVENTS HAVE  
BEEN DETECTED ON SATELLITES BUT NO SOLAR ACTIVITY HAS BEEN OBSERVED.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE A LITTLE DURING THE NEXT  
24 HOURS. THE NEW REGION 487 (N09E86) IS EXPECTED TO PRODUCE A FEW  
NON ENERGETIC FLARES.

II. THE GEOMAGNETIC FIELD IS QUIET AND IS EXPECTED TO BE QUIET  
DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES - NO CHANGE

IV. OTTAWA 10.7 CM FLUX - NO CHANGE

V. GEOMAGNETIC A INDICES - NO CHANGE

SOLTERWARN

BT

HFUS 1 BOU 091400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 252B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1400Z 09 SEPT 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW. TWO NEW REGIONS ARE  
NOW NEAR EAST LIMB, 487 (N09E81) AND 488 (S12E82). AT THIS  
TIME BOTH APPEAR TO BE H-TYPE SPOT GROUPS. ONE SMALL SUBNORMAL  
FLARE WAS OBSERVED IN REGION 487 EARLIER TODAY. THE REMAINDER  
OF THE REGIONS ON THE DISK HAVE BEEN STABLE.

IB. AN INCREASE IN ACTIVITY IS LIKELY IN THE NEXT 72 HOURS AS  
THE NEW REGIONS ROTATE INTO VIEW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED THUS  
FAR TODAY, AND WILL REMAIN SO THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 09 - 11 SEPT

CLASS M 15/20/25

CLASS X 01/01/02

PROTON 01/01/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 SEPT 92

PREDICTED 09 - 11 SEPT 94/95/96

90-DAY MEAN 08 SEPT 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 SEPT 10

ESTIMATED AFR/AP 08 SEPT 08/11

PREDICTED AFR/AP 09 - 11 SEPT 08/11 - 07/09 - 07/09

SOLTERWARN

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HFUS BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 252

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 09 SEPTEMBER 1974

IA. SOLAR ACTIVITY SHOWED AN INCREASE TODAY OVER RECENT LEVELS. ALTHOUGH THE FLARE RATE REMAINED LOW, REGION 487 (N07E73) GENERATED A SUB-BRIGHT/C-9 (GOES) FLARE WHICH ATTAINED MAXIMUM NEAR 1720Z. RADIO BURSTS AT VARIOUS FREQUENCIES (I.E. 51 F.U. AT 2695 MHZ), IMPORTANCE TWO SHORT-WAVE FADES, AND DEKAMETRIC TYPE III SWEEP ACTIVITY WERE ASSOCIATED. ALSO A WEAK TYPE I NOISE STORM COMMENCED SHORTLY AFTER THE EVENT. REGION 487 APPEARS TO BE MAGNETICALLY COMPLEX WITH A DELTA CONFIGURATION PRESENT. IT IS ALSO POSSIBLY A REVERSED POLARITY GROUP, BUT LIMB PROXIMITY PREVENTS CONFIRMATION. REGIONS 488 (S12E74) AND 489 (S20E01) ARE NEW TODAY, THE LATTER AN "A" TYPE GROUP AND THE FORMER A MAGNETICALLY COMPLEX TYPE "H". REGION 482 (N08W39) SHOWED SIGNS OF REJUVENATION AS IT GENERATED ONE SUBFLARE. THE REMAINDER OF THE DISK AND THE LIMBS HAVE BEEN PREDOMINANTLY STABLE AND QUIET.

IB. ENERGETIC EVENTS ARE LIKELY FOR THE NEXT 3 DAYS DUE TO THE PRESENCE OF REGION 487. SUBFLARE ACTIVITY WILL BE FREQUENT, AND ISOLATED M-CLASS FLARES WILL BE INTERMINGLED.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO MILDLY UNSETTLED FOR THE PAST 24 HOURS. THESE SAME APPROXIMATE CONDITIONS ARE EXPECTED TO PERSIST THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 10 SEPT - 12 SEPT

CLASS M 40/50/60

CLASS X 03/04/05

PROTON 03/04/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 SEPT 95

PREDICTED 10 SEPT - 12 SEPT 98/100/102

90-DAY MEAN 09 SEPT 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 SEPT 07

ESTIMATED AFR/AP 09 SEPT 06/08

PREDICTED AFR/AP 10 SEPT - 12 SEPT 05/07 - 07/09 - 07/09

SOLTERWARN

BT