

HFUS 3 BOU 15 0430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 166A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 15 JUNE 1978

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST EIGHT HOURS. THE
DISK REGIONS ALL APPEAR STABLE AND QUIET. A FEW NON ENERGETIC
SUBFLARES HAVE BEEN OBSERVED. THE LIMBS ARE QUIET.

IB. SOLAR ACTIVITY WILL CONTINUE AT A LOW LEVEL.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST EIGHT
HOURS. IT IS EXPECTED THE FIELD WILL BE QUIET TO SLIGHTLY UNSETTLED
DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 15 JUNE - 17 JUNE

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 JUNE 125

PREDICTED 15-17 JUNE 131/136/140

90-DAY MEAN 14 JUNE 140

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 JUNE 07

ESTIMATED AFR/AP 14 JUNE 06/04

PREDICTED AFR/AP 15-17 JUNE 08/09 - 10/12 - 13/16

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NOTICE -

THIS IS THE LAST SECONDARY REPORT YOU WILL RECEIVE. CUSTOMER
RESPONSE TO QUERIES ABOUT THE REPORT WERE NOT SUFFICIENT TO
JUSTIFY CONTINUING IT IN THE FACE INCREASING DEMANDS ON
LIMITED SESC RESOURCES. CUSTOMERS WITH SUBSTANTIAL OPERATIONAL
REQUIREMENTS ARE REMINDED THAT SESC OFFERS EVENT ALERT SERVICES
BY TELEPHONE AND TELEX. CUSTOMERS WITH TEMPORARY SPECIAL SUPPORT
REQUIREMENTS SHOULD CONTACT SESC.

SPACE ENVIRONMENT SERVICES CENTER

325 SOUTH BROADWAY

BOULDER, COLORADO 80303

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BT

HFUS 1 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 166

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 15 JUNE 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. MINOR FLARES HAVE BEEN OBSERVED IN REGIONS 1153 (N17W53), 1159 (N18W34) AND 1160 (N17W16). THE MOST ENERGETIC WAS A CLASS C2 SUBFLARE AT 15/0337 UT IN REGION 1153. THE MOST SIGNIFICANT DEVELOPMENT IS THE APPEARANCE OF A NEW REGION THAT HAS ROTATED INTO VIEW AT S24 E75.

THE REGION IS DESIGNATED 1161. THUS FAR, THE REGION CONSISTS OF SEVERAL SPOTS THAT PROBABLY HAVE A COMPLEX MAGNETIC STRUCTURE. THERE IS SOME INDICATION OF FOLLOWER SPOTS OR ANOTHER REGION BEHIND THE ONE NOW VISIBLE. THE REGION LIES AT THE SAME LOCATION AS OLD REGION 1110 THAT WAS MAGNETICALLY COMPLEX LAST ROTATION AND PRODUCED UP TO CLASS M FLARES ON ITS LAST ROTATION.

IB. SOLAR ACTIVITY WILL PROBABLY BE LOW BUT WITH A CHANCE OF ENERGETIC FLARES. IN ADDITION TO THE REGION NOW ON THE SOUTHEAST LIMB, A NUMBER OF REGIONS ARE DUE TO RETURN IN THE NEXT 72 HOURS INCLUDING OLD REGION 1129 THAT PRODUCED CLASS X FLARES BOTH OF ITS LAST DISK PASSAGES.

II. THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED EARLY IN THE FORECAST PERIOD WITH RECURRENT DISTURBANCES TO ACTIVE LEVELS EXPECTED BY LATE ON 17 JUNE. THE RETURNING ACTIVE REGIONS WILL NOT BE IN POSITION TO PRODUCE MAJOR MAGNETIC STORMS OR PROTON EVENTS DURING THE PERIOD COVERED BY THIS FORECAST.

III. EVENT PROBABILITIES 16 JUNE-18 JUNE

CLASS M 15/20/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 JUNE 128

PREDICTED 16-18 JUNE 132/134/138

90-DAY MEAN 15 JUNE 140

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 JUNE 05

ESTIMATED AFR/AP 15 JUNE 05/10

PREDICTED AFR/AP 16-18 JUNE 08/12 - 12/15 - 16/18

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