

HFUS 1 BOU 110600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 011A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 11 JAN 1973

IA. ACTIVITY HAS REMAINED VERY LOW, WITH NO FLARES THE PAST EIGHT HOURS. DISK ANALYSIS REVEALS THAT REGION 319 IS ACTUALLY PART OF REGION 317(S14E72), AND SO 319 HAS BEEN DROPPED. REGION 316(S09E43) IS GRADUALLY BECOMING MORE COMPLEX WITH THE GROWTH OF ANTIPOLAR SPOTS NORTH OF THE LARGE H-TYPE LEADER, BUT SO FAR THIS REGION HAS BEEN QUIET. REGION 314(N08W22) HAS DECAYED CONSIDERABLY. THE PROMINENCE AT S25 EAST LIMB HAS BEEN MODERATELY ACTIVE.

IB. REGION 317 DOES NOT APPEAR AS POTENT AS ITS EAST LIMB ACTIVITY INDICATED, AND MAJOR ACTIVITY HERE IS UNLIKELY. REGION 316 MAY DEVELOP INTO A BETA-GAMMA TODAY AND THIS WOULD INCREASE THE PROBABILITY OF SIGNIFICANT ACTIVITY. OLD REGION 300 IS DUE AT SE17 LATE TODAY, AND OLD REGION 299 IS DUE AT NE08 NOW, BUT AS YET THERE IS NO INDICATION OF STRONG ACTIVITY BEHIND THE EAST LIMB.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET, AND SHOULD BE QUIET TO UNSETTLED THROUGHOUT THE FORECAST PERIOD.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN.

SPAN

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HFUS,BOU 111300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 011B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 11 JAN 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST SEVEN HOURS, AND NO FLARES HAVE BEEN REPORTED. MINOR SURGES HAVE BEEN OBSERVED AT N12E90, WHERE OLD REGION 299 IS DUE TO RETURN, AND AT S12E90, WHERE OLD REGION 300 IS DUE TO RETURN TODAY.

A PROMINENCE AT S25E90 WAS OBSERVED DUMPING TO THE NORTH, PROBABLY INTO THE SITE OF OLD REGION 300. REGION 316 HAS DEVELOPED BOTH IN THE TRAILING PORTION AS WELL AS IN A SMALL BIPOLAR STRUCTURE NORTHWEST OF THE MAIN SPOT. REGION 314 HAS DEVELOPED NEW BRIGHT PLAGE AND HAS SHOWN SOME SPOT GROWTH RECENTLY. REGION 317 HAS REMAINED RELATIVELY STABLE.

IB. SOLAR ACTIVITY PROBABLY WILL INCREASE SLIGHTLY AS THE REGION OR REGIONS ON THE EAST LIMB ARE ROTATED ONTO THE DISK AND AS DEVELOPMENT CONTINUES IN REGIONS 314 AND 316.

II. THE GEOMAGNETIC FIELD HAS REMAINED QUIET DURING THE PAST SEVEN HOURS, AND QUIET CONDITIONS ARE EXPECTED TO CONTINUE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 11 JAN - 13 JAN

CLASS M 10/15/15

CLASS X 03/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 JAN 92

PREDICTED 11-13 JAN 95/97/100

90-DAY MEAN 10 JAN 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 JAN 08

ESTIMATED AFR/AP 10 JAN 10/11

PREDICTED AFR/AP 11-13 JAN 07/08 - 07/08 - 10/11

SOLTERWARN

SPAN

BT

HFUS BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 011

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 11 JAN 1974.

IA. SOLAR FLARE ACTIVITY CONTINUES AT A MINIMUM ALTHOUGH
NUMEROUS SMALL LIMB SURGES AND SEVERAL SWEEP FREQUENCY BURSTS
HAVE OCCURRED DURING THE PAST 24 HOURS. MOST OF THE LIMB ACTIVITY
IS ATTRIBUTED TO THAT AREA OF THE SOUTHEAST LIMB WHERE THE RETURN
OF OLD RGN 300 IS ANTICIPATED. RGN 316 (S09E34) IS PRESENTLY THE
MOST INTERESTING FEATURE ON THE DISK AND CONTINUES TO SHOW SLOW
DEVELOPMENT. THE SPOT GROUP REMAINS A TYPE "C" BUT ADDITIONAL
SPOT DEVELOPMENT TO THE NORTHEAST OF THE MAIN SPOT IS INCREASING
THE COMPLEXITY. RGN 314 (N07W29) HAS AN ARCH FILAMENT SYSTEM AND
POINT BRIGHTENINGS. THE TRAILER SPOTS ARE DECREASING BUT AN INCREASE
IN THE NUMBER OF CENTRAL SPOTS HAS BEEN NOTED. OTHER DISK FEATURES
ARE LITTLE CHANGED.

IB. SOLAR ACTIVITY MAY INCREASE SLIGHTLY OVER THE NEXT THREE DAYS
AS RGN 316 INCREASES IN COMPLEXITY WITH POSSIBLY SOME
CONTRIBUTION FROM THE RETURN OF OLD RGN 300.

II. THE GEOMAGNETIC FIELD IS QUIET AND WITH THE EXCEPTION OF
OCCASIONAL SMALL PERTURBATIONS LITTLE CHANGE IS EXPECTED.

III. EVENT PROBABILITIES 12 JAN - 14 JAN

CLASS M 10/15/20

CLASS X 03/03/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JAN 95

PREDICTED 12-14 JAN 97/98/100

90-DAY MEAN 11 JAN 84

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 JAN 12

ESTIMATED AFR/AP 11 JAN 06/07

PREDICTED AFR/AP 12-14 JAN 07/08 - 07/08 - 10/11

SOLTERWARN

SPAN

BT