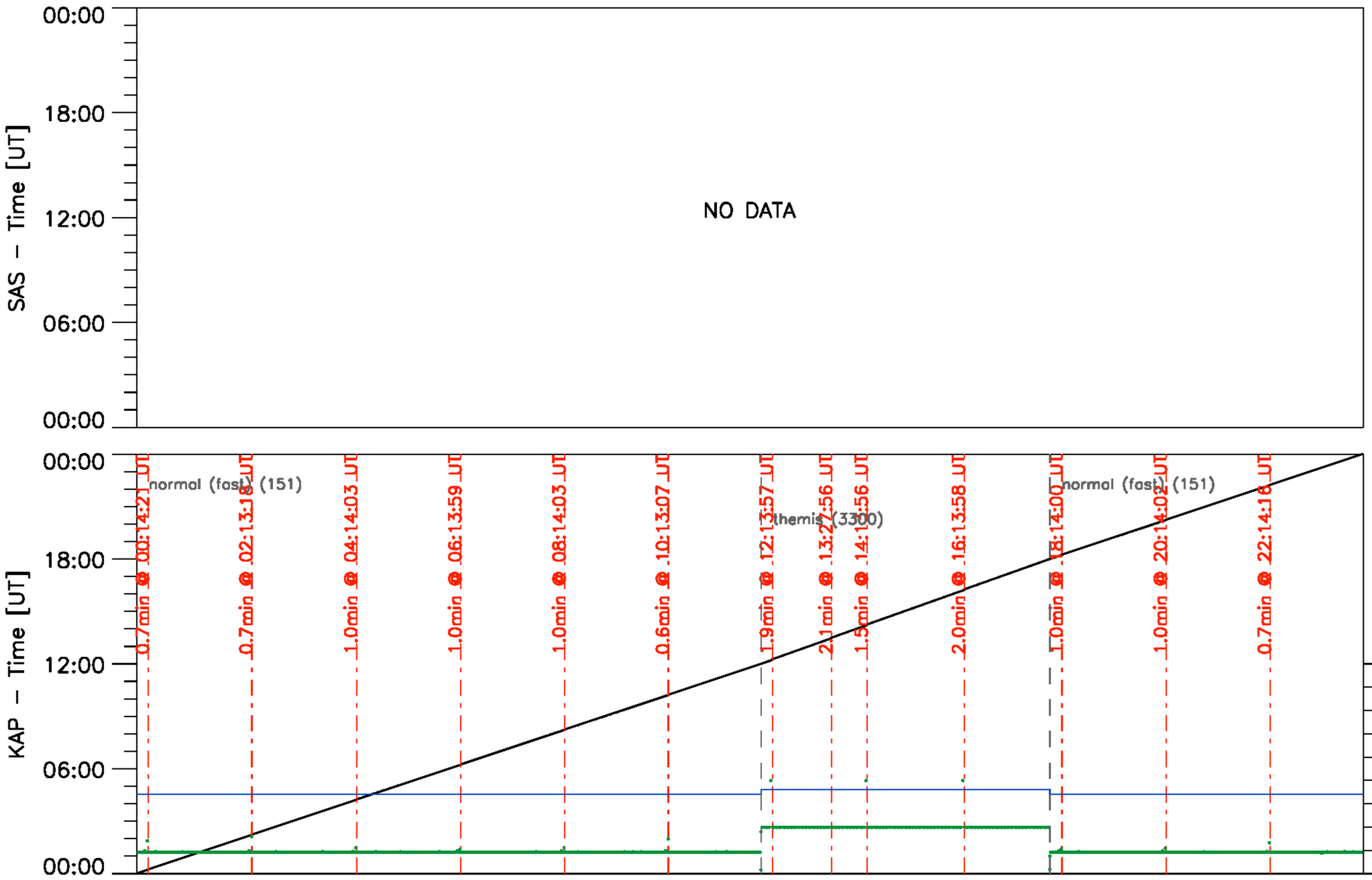
Clock diagnostics vs Record

High latitude radars (fitacf) – 10/Apr/2012



Note on gaps: a gap is marked when two consecutive records are more than 10 integration times apart.

Clock diagnostics vs Record

Mid latitude radars (fitacf) – 10/Apr/2012

Note on gaps: a gap is marked when two consecutive records are more than 10 integration times apart.

Timing diagnostics (vs UT)

High latitude radars (fitacf) – 10/Apr/2012

SAS

NO DATA

KAP (all) – nave

normal (fast) (151) 34 | themis (3300) 28 | normal (fast) (151) 34

GBR (all) – nave

tau (fast) (503) 19 | themis (tau) (3310) 19 | tau (fast) (503) 19

STO (all) – nave

normal (150) 71

Integration time [s]

Scan time [min]

Time [UT]

00:00 06:00 12:00 18:00 00:00

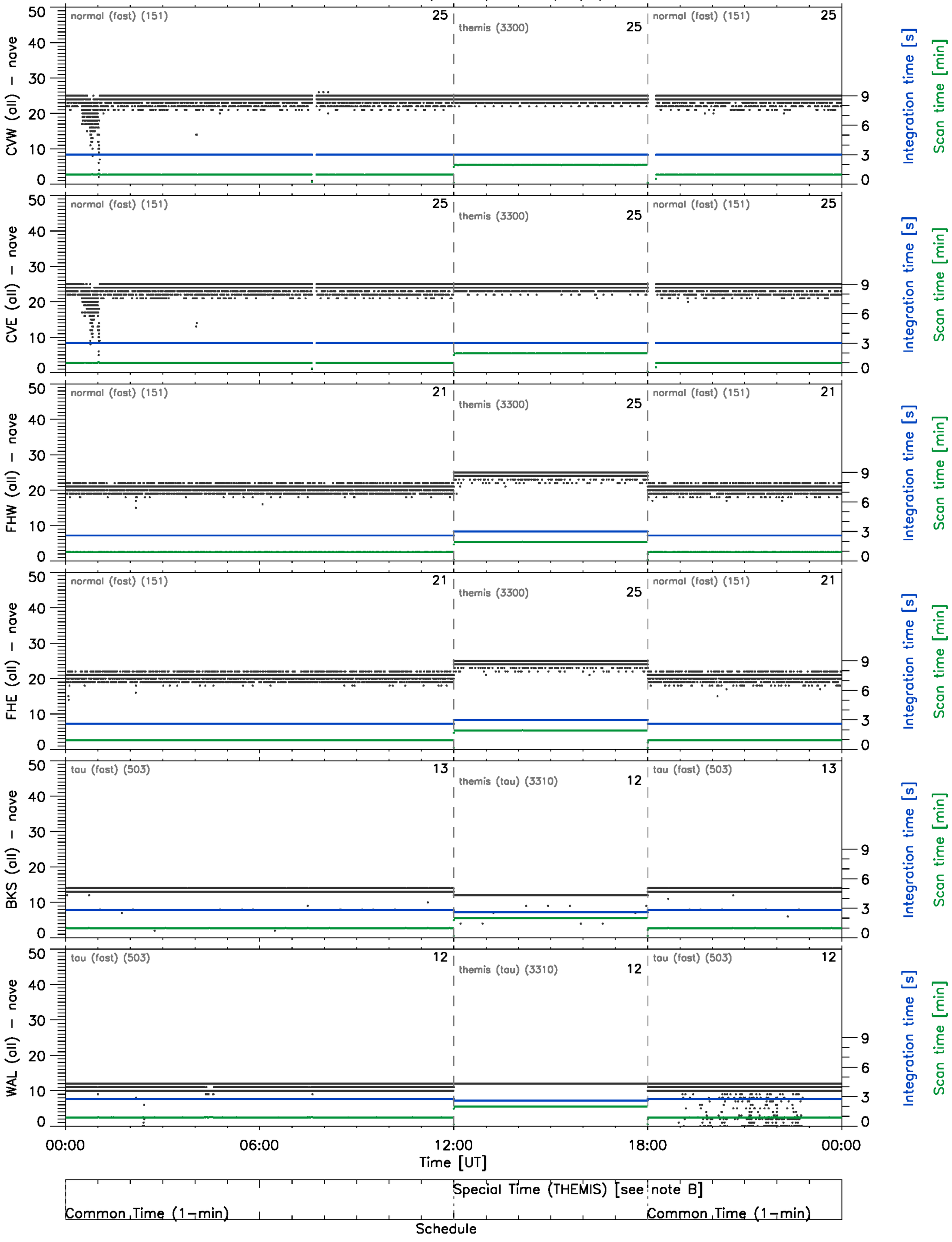
Special Time (THEMIS) [see note B]

Common Time (1–min) Common Time (1–min)

Schedule

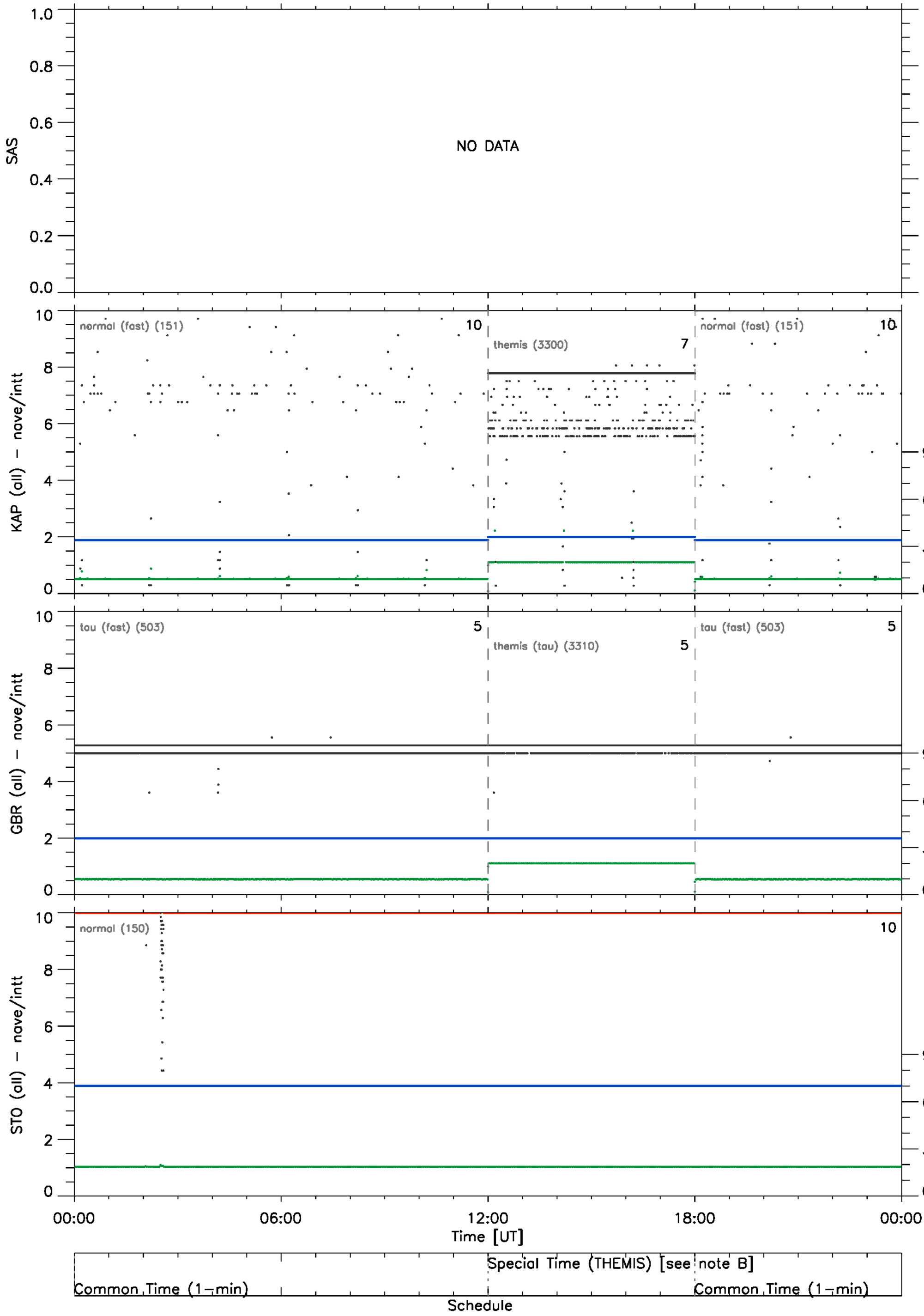
Timing diagnostics (vs UT)

Mid latitude radars (fitacf) – 10/Apr/2012



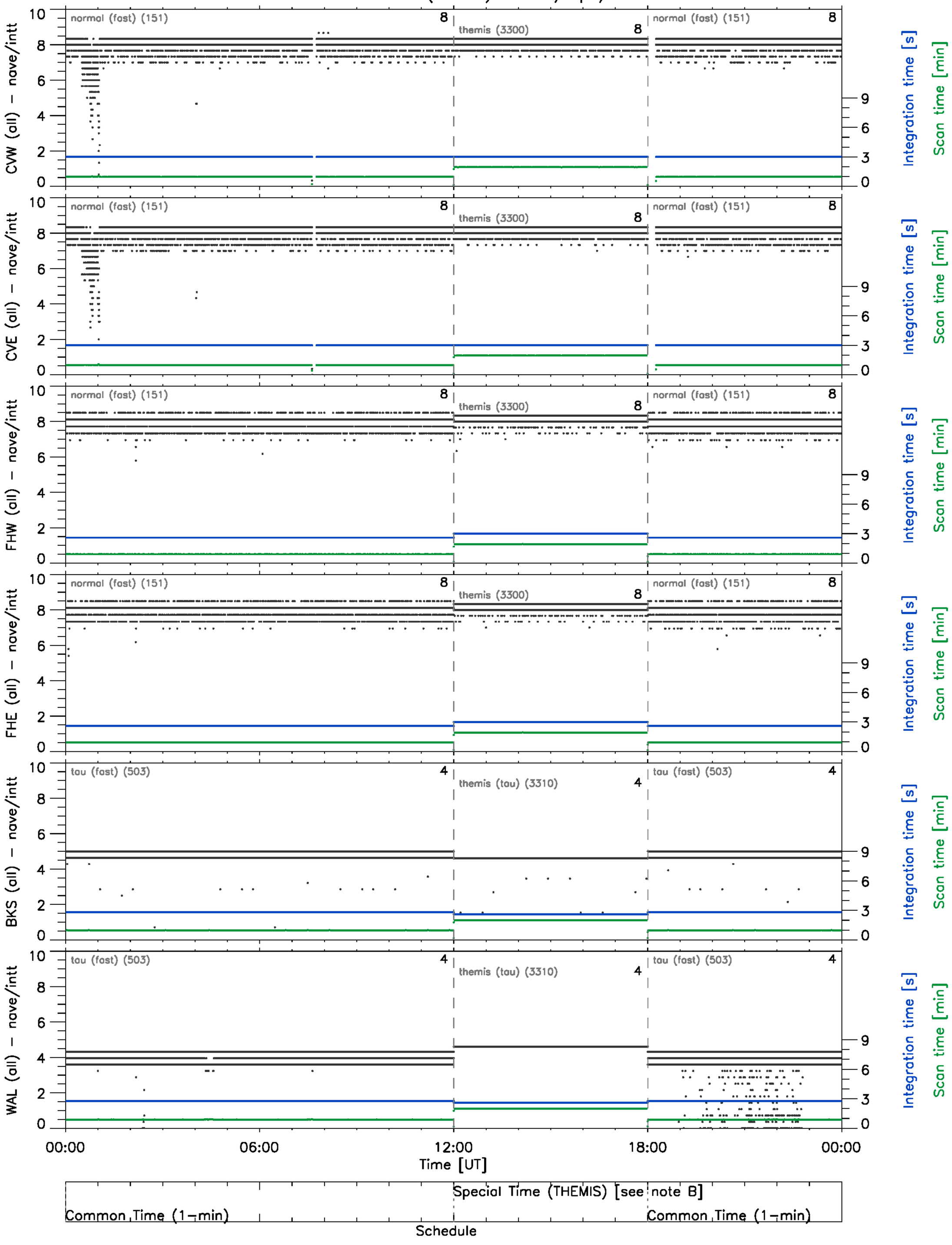
Timing diagnostics (vs UT)

High latitude radars (fitacf) – 10/Apr/2012



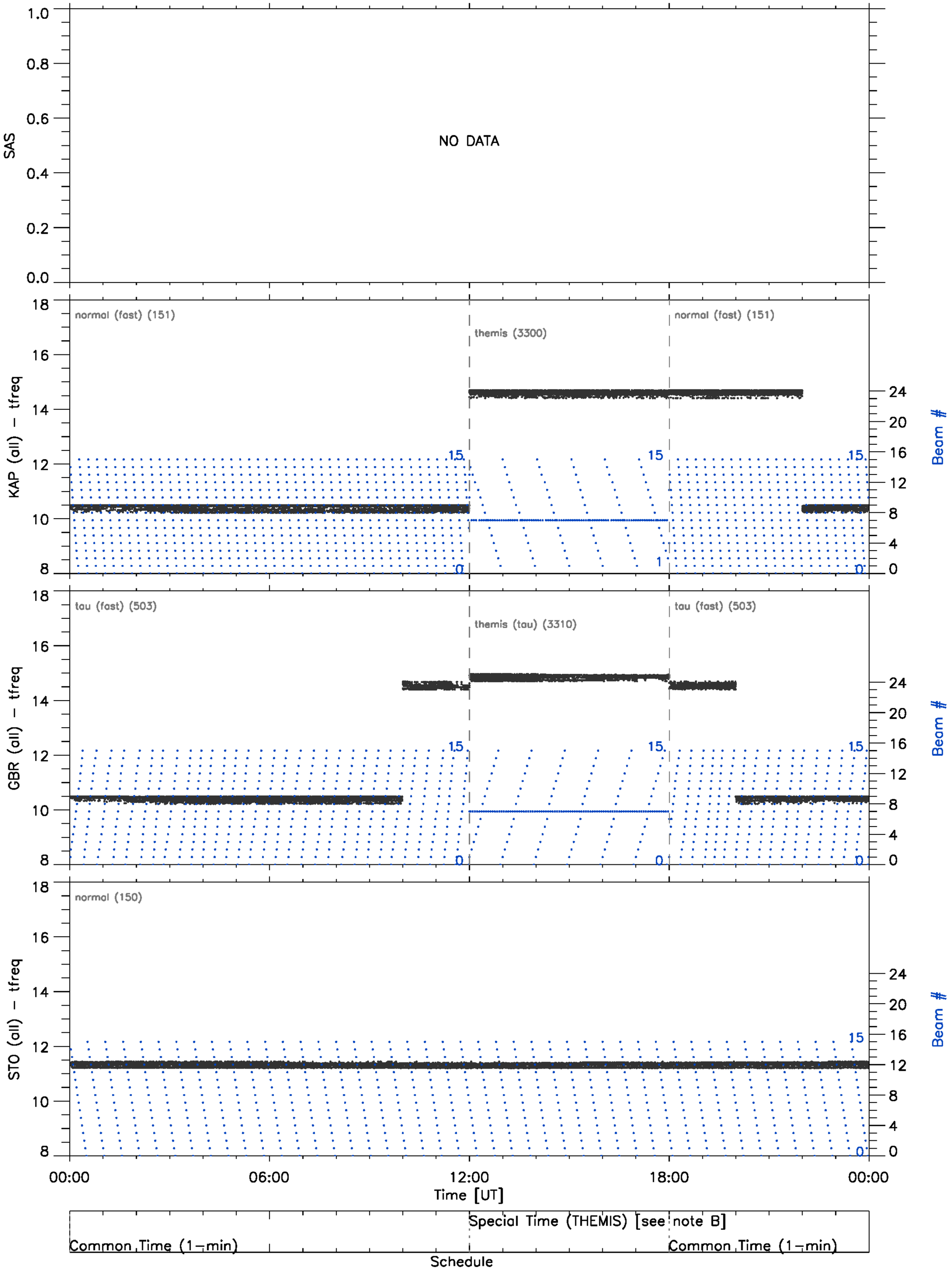
Timing diagnostics (vs UT)

Mid latitude radars (fitacf) – 10/Apr/2012



Frequency/Beam diagnostics (vs UT)

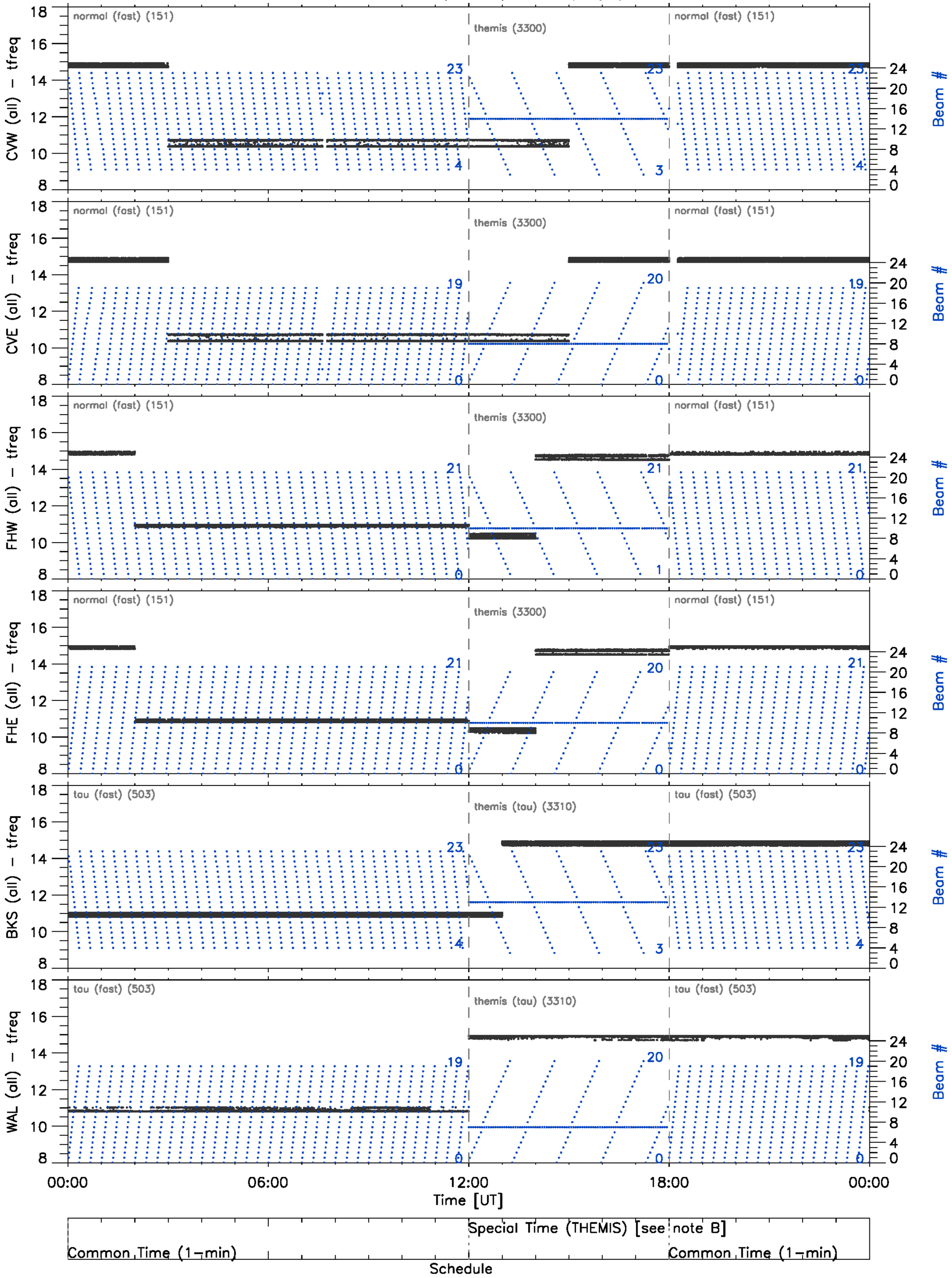
High latitude radars (fitacf) – 10/Apr/2012



Note on Beam #: a dot is plotted showing the beam # of the kth record of the kth scan.

Frequency/Beam diagnostics (vs UT)

Mid latitude radars (fitacf) – 10/Apr/2012



Note on Beam #: a dot is plotted showing the beam # of the kth record of the kth scan.

Velocity scatter plot

High latitude radars (fitacf) – 10/Apr/2012

SAS

NO DATA

KAP (7) – velocity

normal (fast) (151)

themis (3300)

normal (fast) (151)

GBR (7) – velocity

tau (fast) (503)

themis (tau) (3310)

tau (fast) (503)

STO (7) – velocity

normal (150)

1.0
0.8
0.6
0.4
0.2
0.0
2000
1000
0
−1000
−2000
00:00
06:00
12:00
18:00
00:00

Time [UT]

Special Time (THEMIS) [see note B]

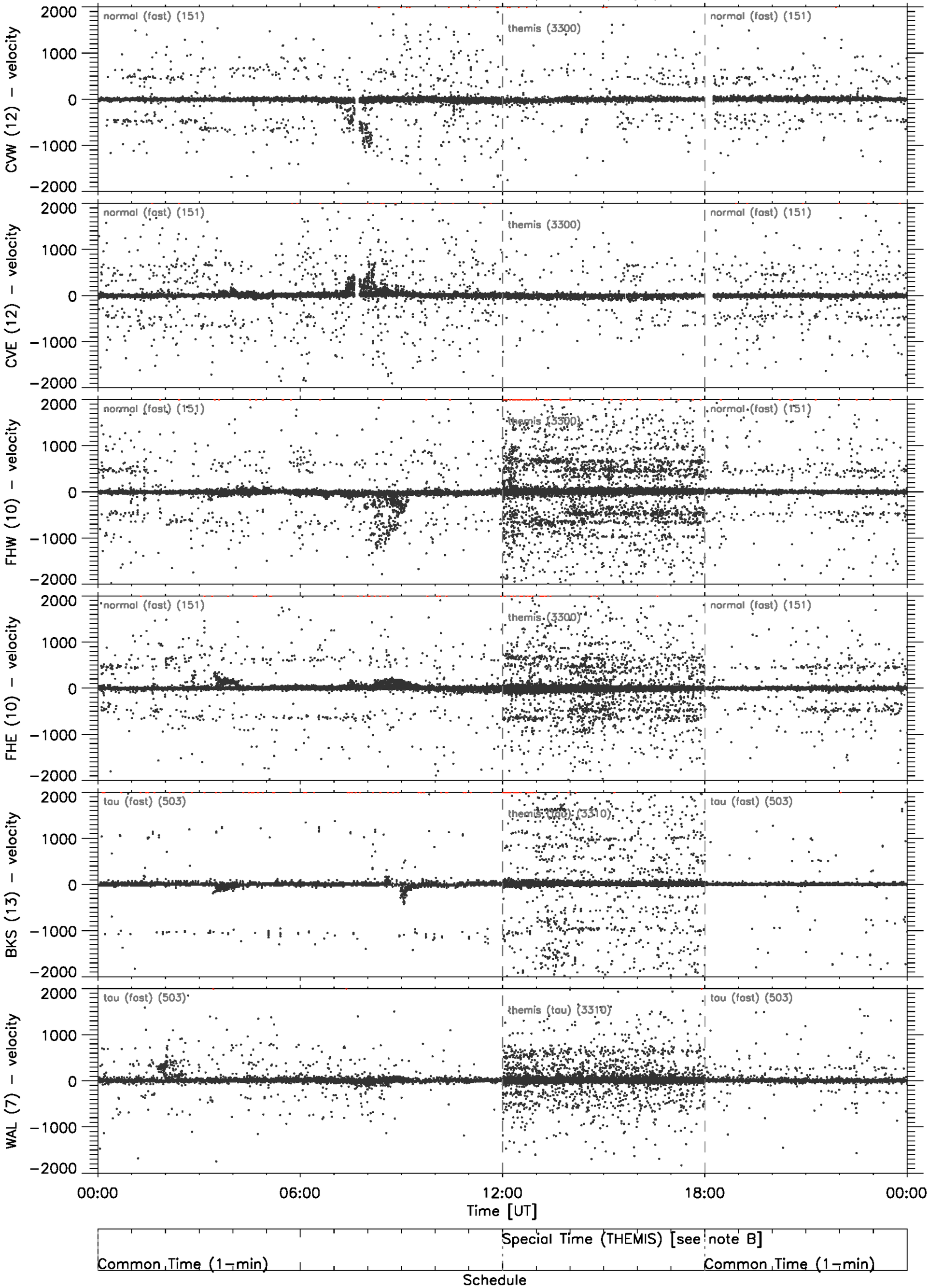
Common Time (1−min)

Common Time (1−min)

Schedule

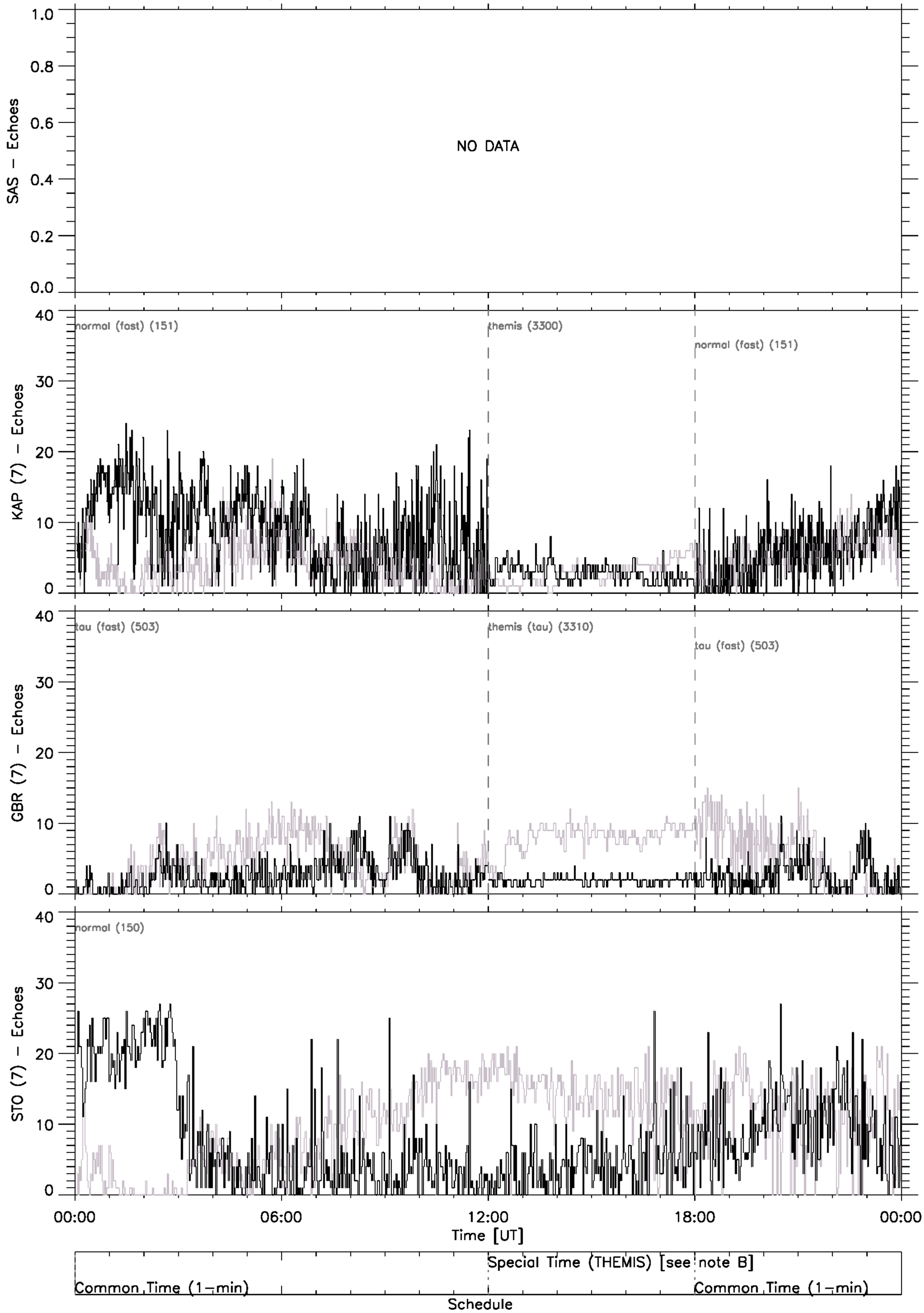
Velocity scatter plot

Mid latitude radars (fitacf) – 10/Apr/2012



Echo Counts

High latitude radars (fitacf) – 10/Apr/2012



Echo Counts

Mid latitude radars (fitacf) – 10/Apr/2012

CVW (12) – Echoes

CVE (12) – Echoes

FHW (10) – Echoes

FHE (10) – Echoes

BKS (13) – Echoes

WAL (7) – Echoes

normal (fast) (151)

themis (3300)

normal (fast) (151)

tau (fast) (503)

themis (tau) (3310)

tau (fast) (503)

0 10 20 30 40

00:00 06:00 12:00 18:00 00:00

Time [UT]

Special Time (THEMIS) [see note B]

Common Time (1-min)

Common Time (1-min)

Schedule