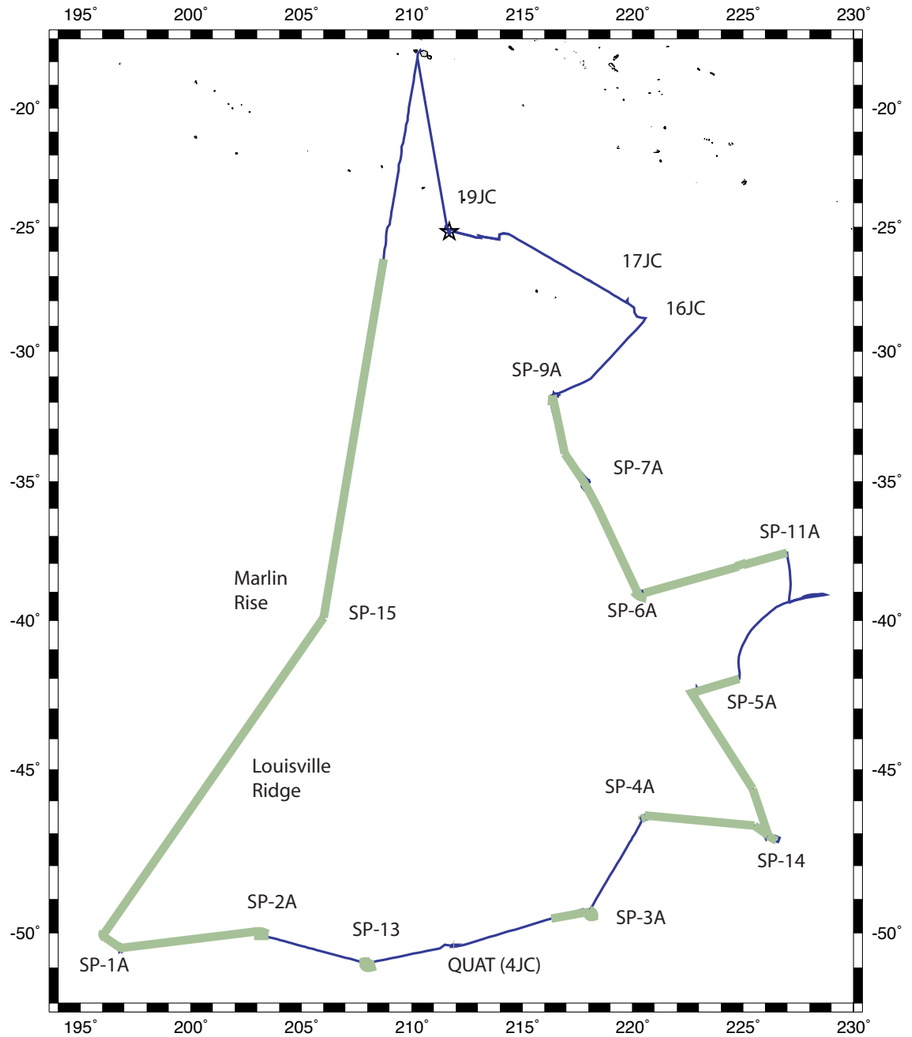
CGISS Technical Report 2005-05

Seismic reflection (150 ci GI gun source)images from Tui Malia Leg 3 (R/V Melville), Site Survey for IODP proposal 567 “Paleogene South Pacific Transect”

Mitchell Lyle
Christopher Paul
Brandi Murphy
Lee Liberty

Figure 1: Seismic reflection surveys were conducted at survey sites as well as underway, using a 150 c.i. GI gun source and the Scripps 4-channel streamer.



Cruise: TUIM03MV Chief Scientist: Mitch Lyle GI Airgun Seismic Data coverage

Begin date/port: 09-Feb-2005 Papeete, Tahiti

End date/port: 21-Mar-2005 Papeete, Tahiti

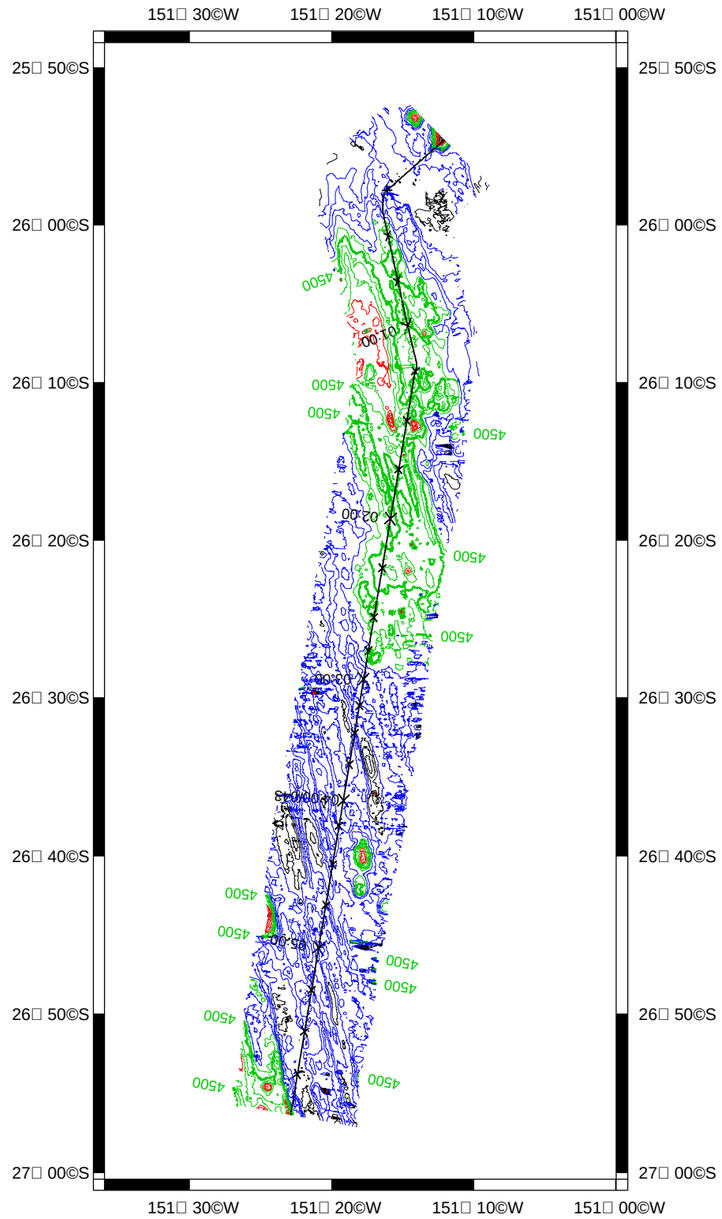
Last position: 19-Mar-05 / 0000Z 25-11S 148-17W course: 131 speed: 1.0 knots

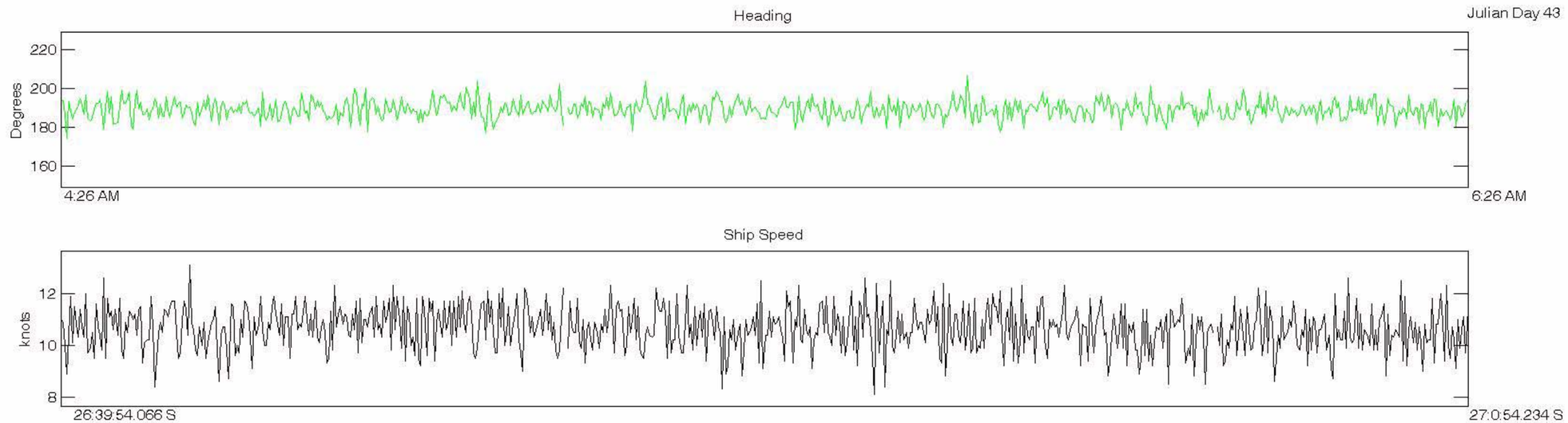
GMT 2005 Mar 19 00:15:43 :Provided by SIO/STS/ SCG &GDC

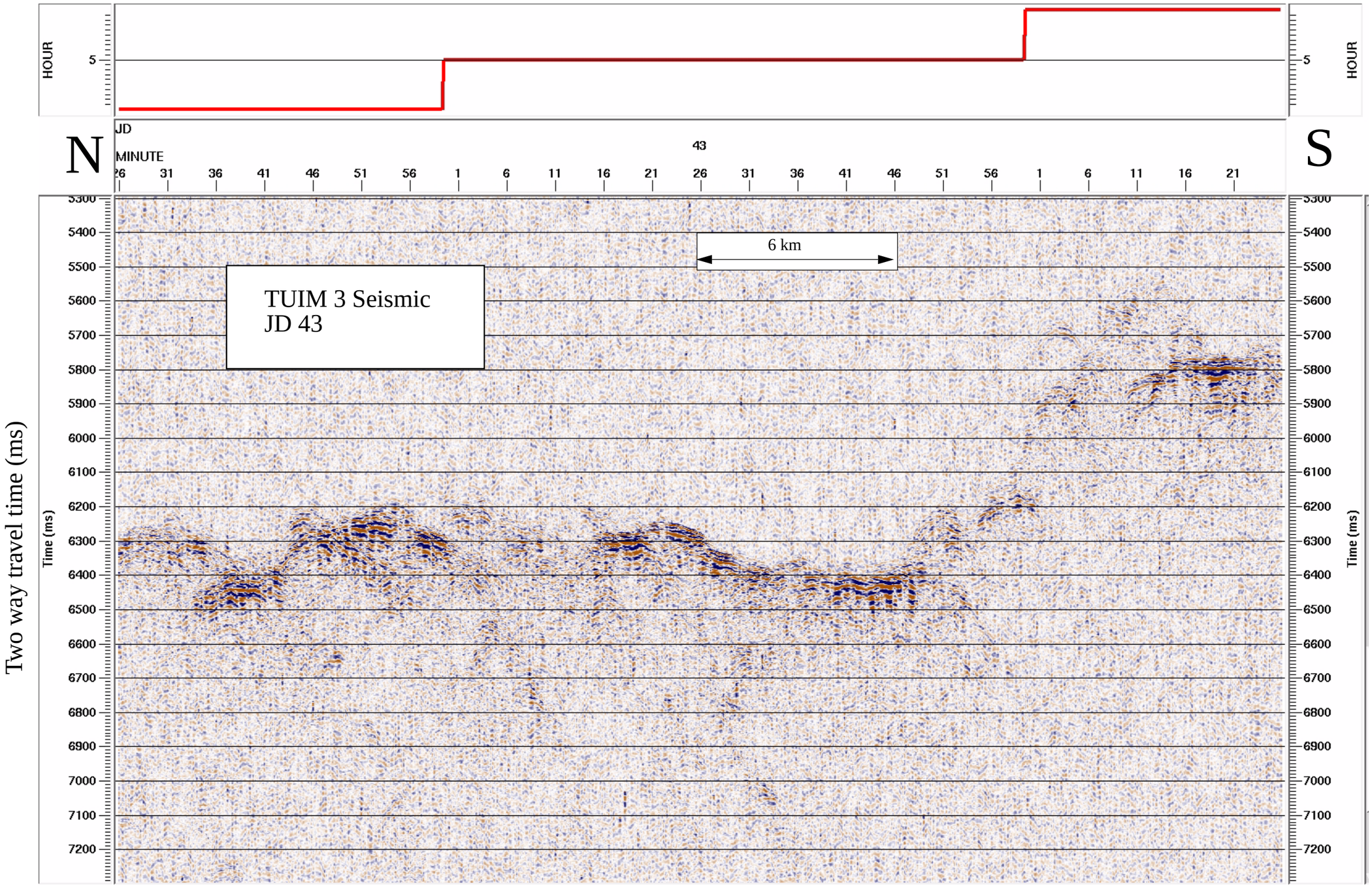
3.5 kHz Chirp coverage along entire trackline

Julian Day 43
12 February 2005
150 c.i GI gun Source,
4-channel SIO streamer

Data File SBfixavg.2005feb12.0000-0600

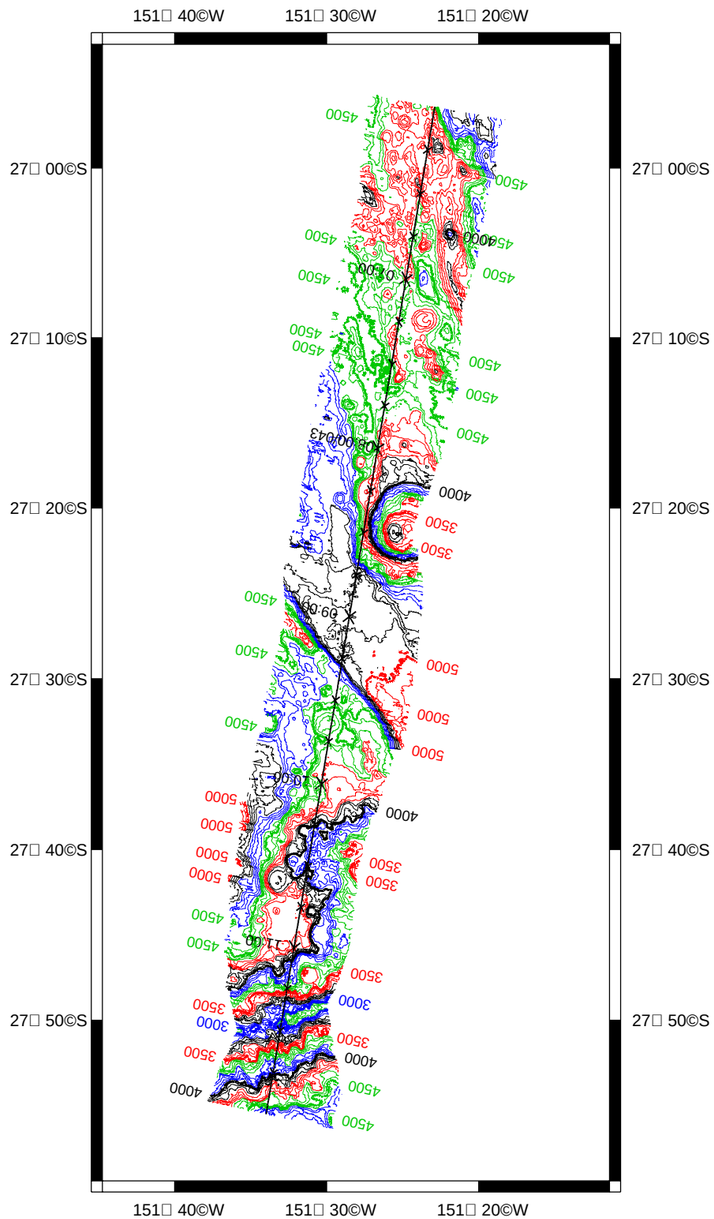


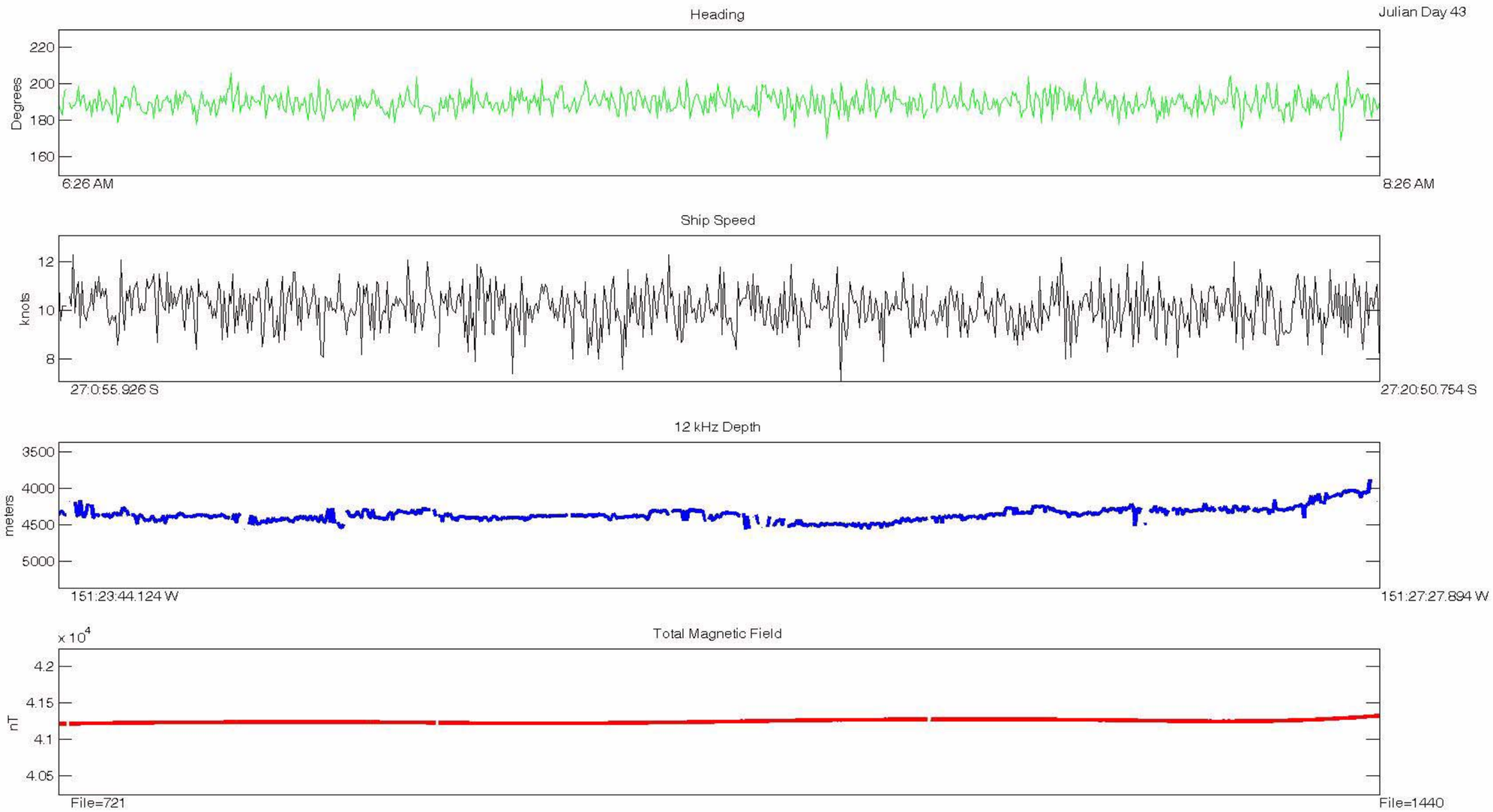

Heading
Julian Day 43
Degrees
220
200
180
160
4:26 AM
6:26 AM
Ship Speed
knots
12
10
8
26:39:54.066 S
27:0:54.234 S
12 kHz Depth
meters
4000
4500
5000
5500
151:19:48.684 W
151:23:43.794 W
Total Magnetic Field
x 10^4
nT
4.2
4.15
4.1
4.05
File=1
File=720

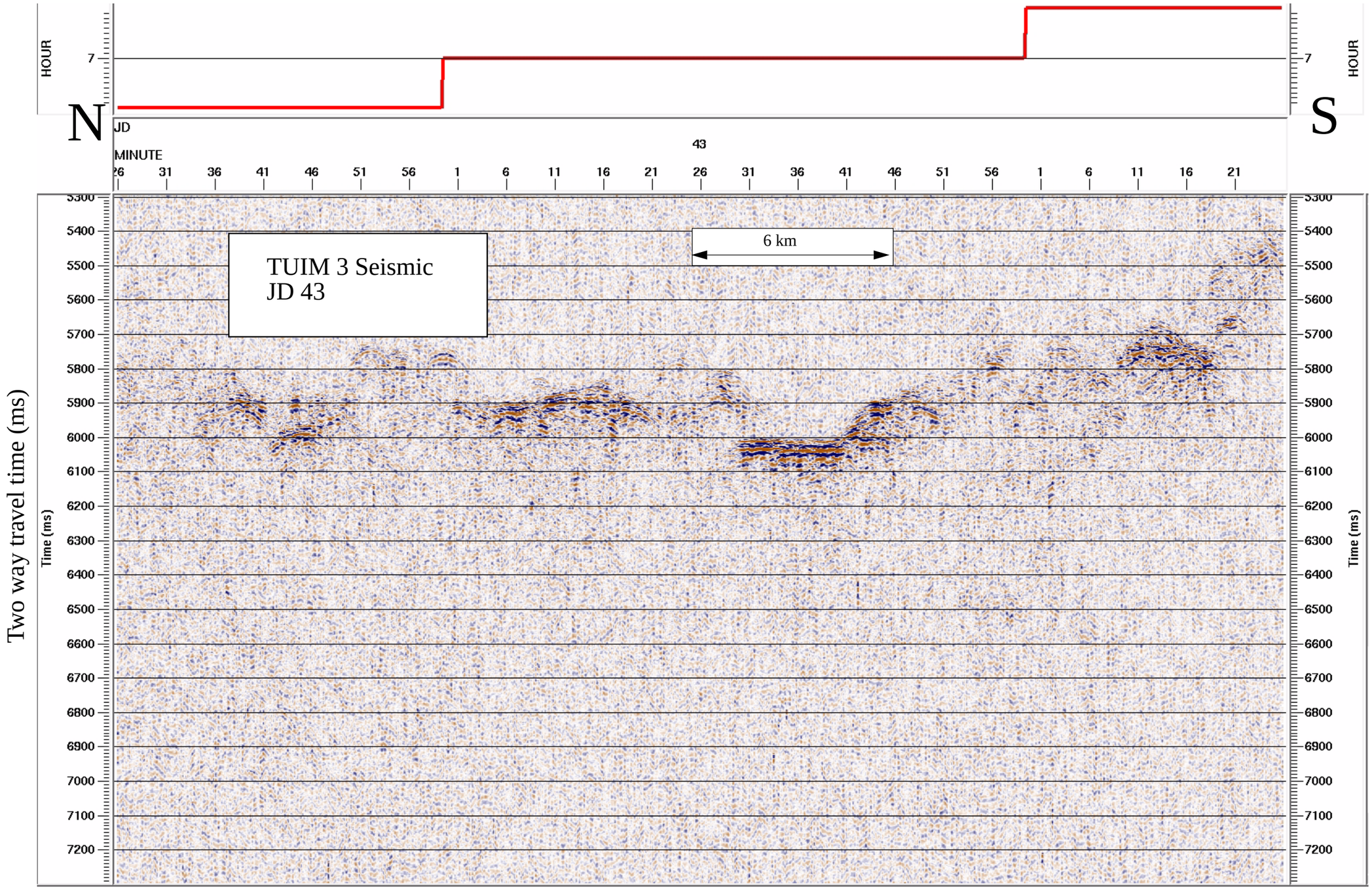


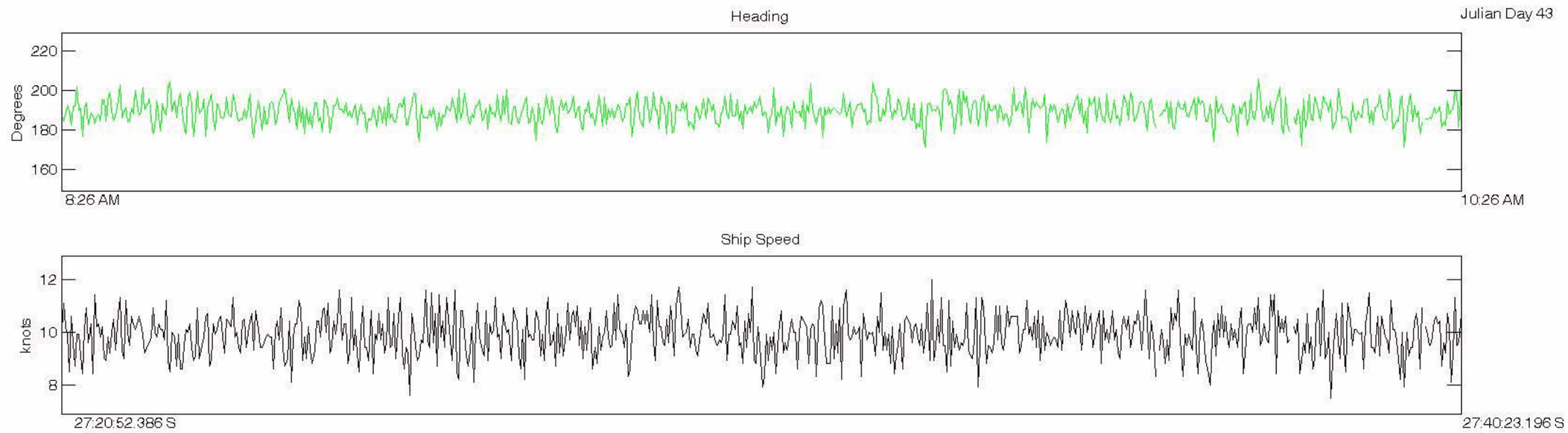
Two way travel time (ms)

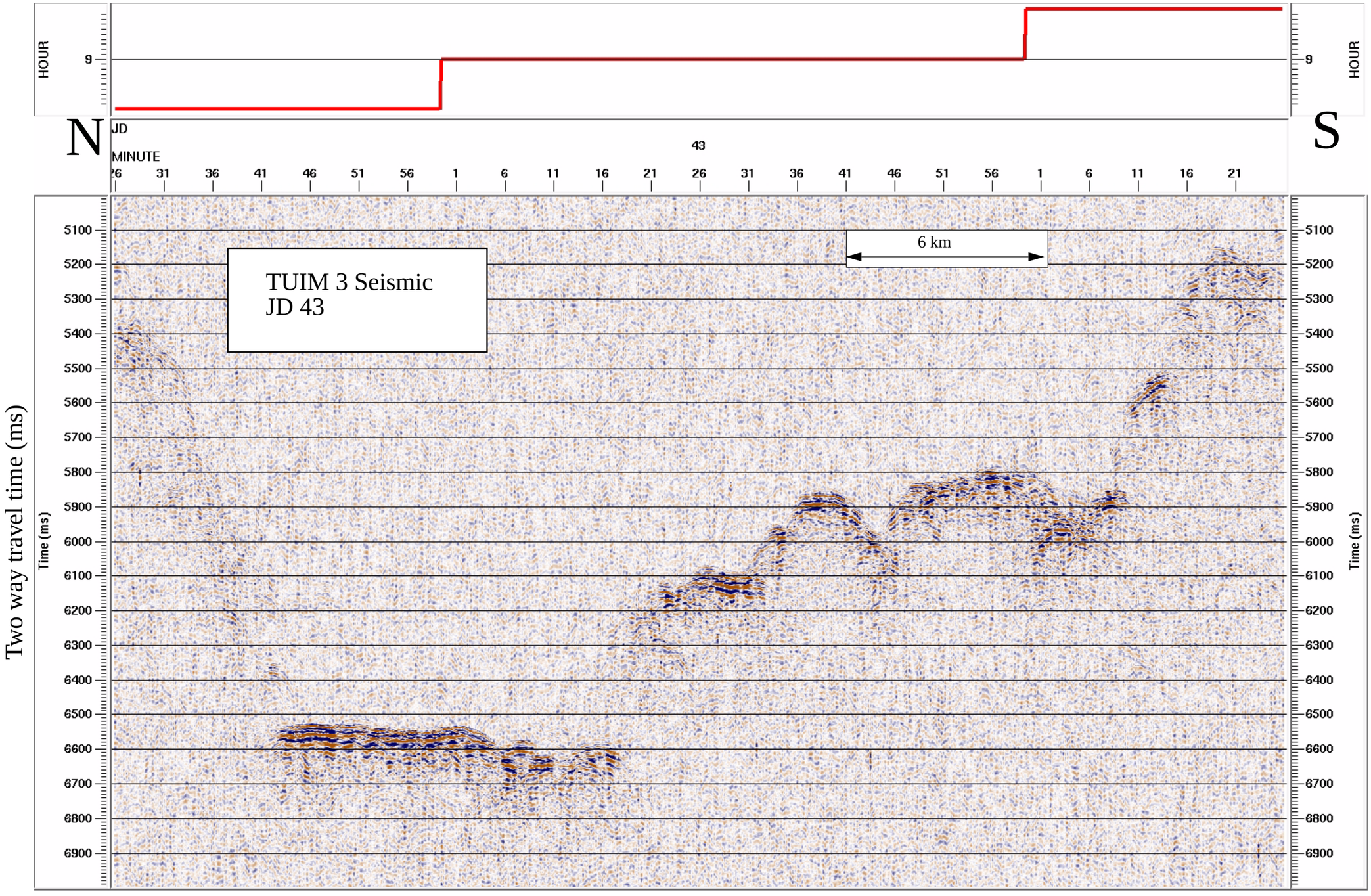
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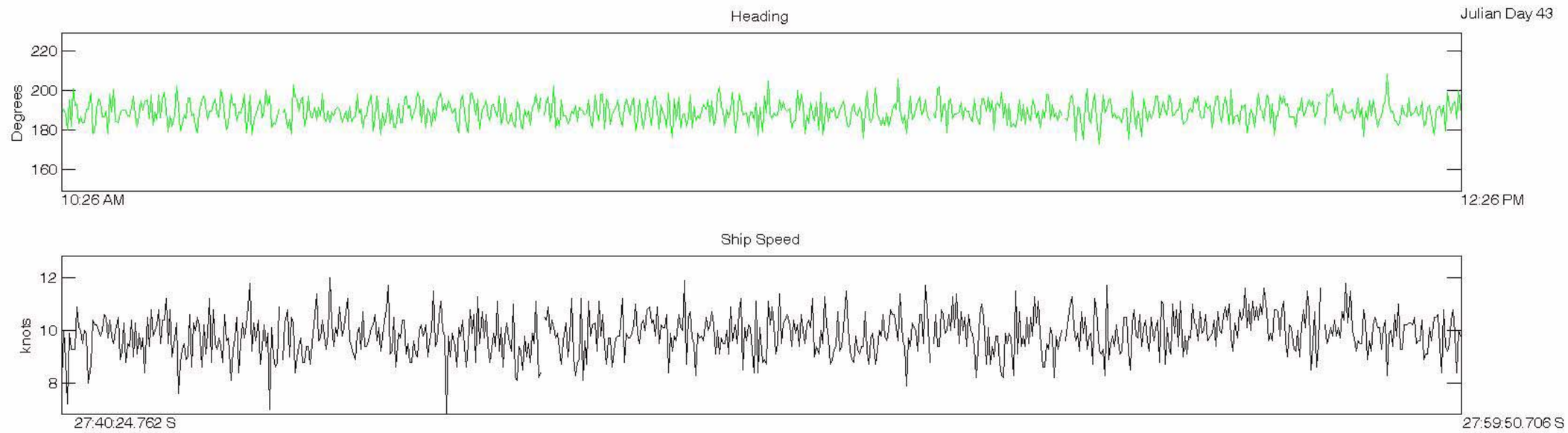


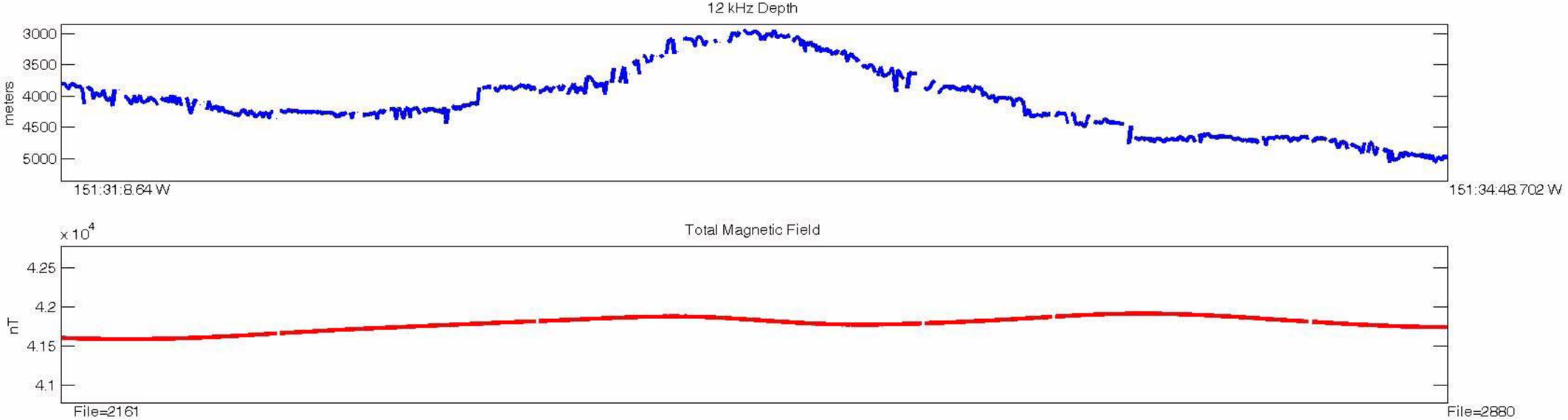

Heading
Julian Day 43
Degrees
220
200
180
160
6:26 AM
8:26 AM
Ship Speed
knots
12
10
8
27:0:55.926 S
27:20:50.754 S
12 kHz Depth
meters
3500
4000
4500
5000
151:23:44.124 W
151:27:27.894 W
Total Magnetic Field
x 10^4
nT
4.2
4.15
4.1
4.05
File=721
File=1440

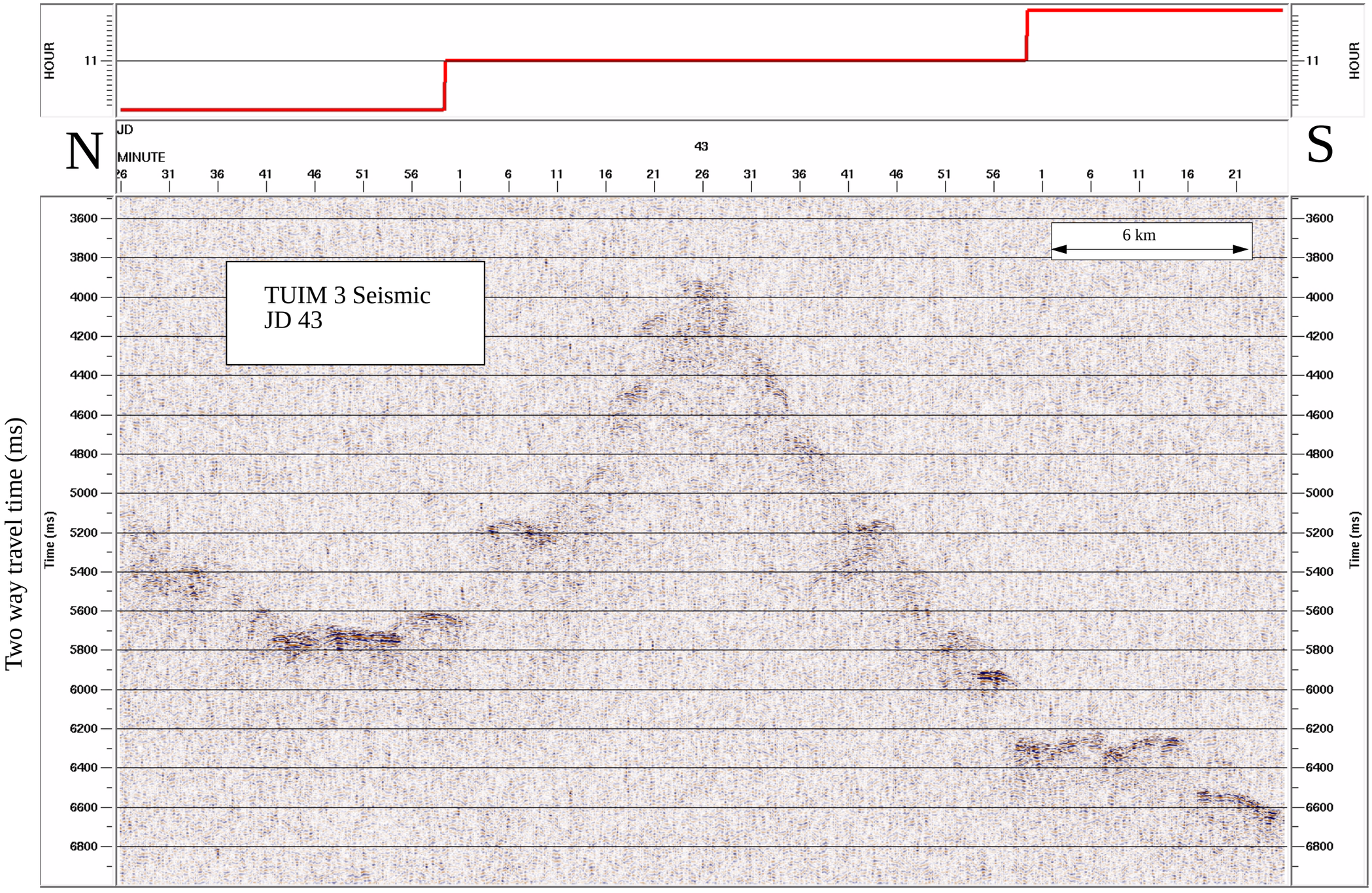

HOUR
7
N
S
JD
43
MINUTE
26 31 36 41 46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6 11 16 21
TUIM 3 Seismic
JD 43
6 km
Two way travel time (ms)
Time (ms)
5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200


Heading
Julian Day 43
Degrees
220
200
180
160
8:26 AM
10:26 AM
Ship Speed
knots
12
10
8
27:20:52.386 S
27:40:23.196 S
12 kHz Depth
meters
4000
4500
5000
5500
151:27:28.248 W
151:31:8.346 W
x 10^4
Total Magnetic Field
nT
4.25
4.2
4.15
4.1
File=1441
File=2160

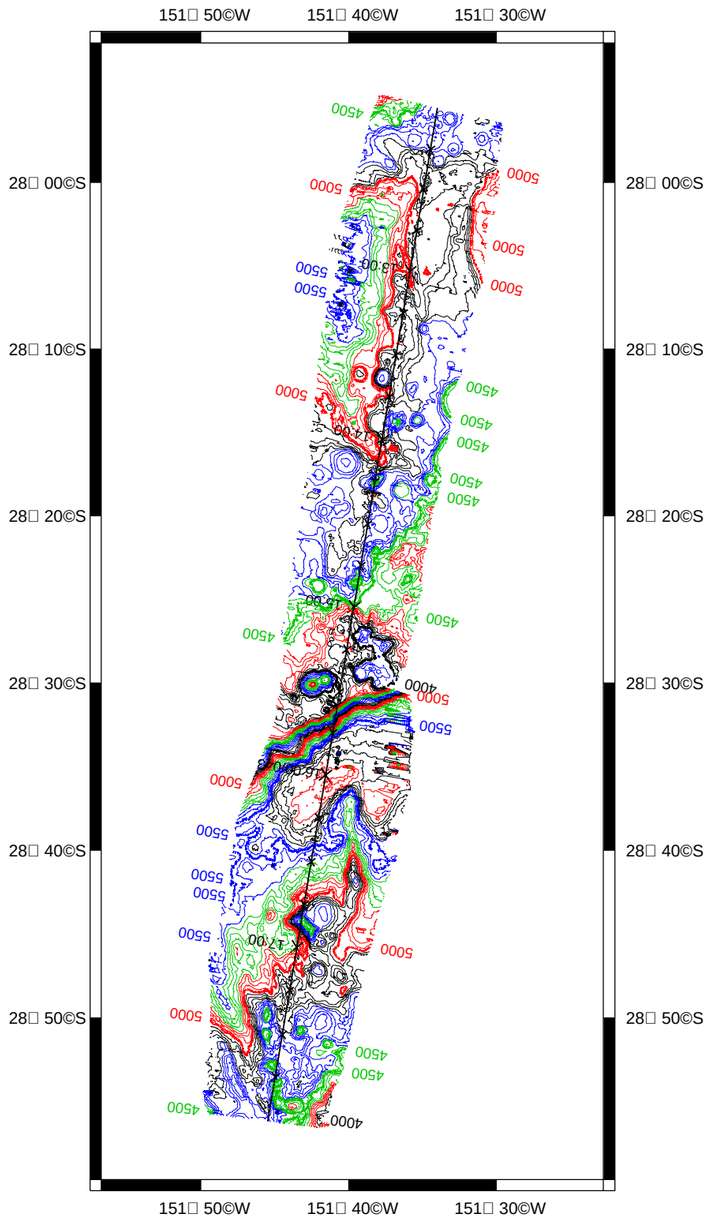

HOUR
9
N
S
JD
43
MINUTE
26 31 36 41 46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6 11 16 21
TUIM 3 Seismic
JD 43
6 km
Time (ms)
5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900
Two way travel time (ms)

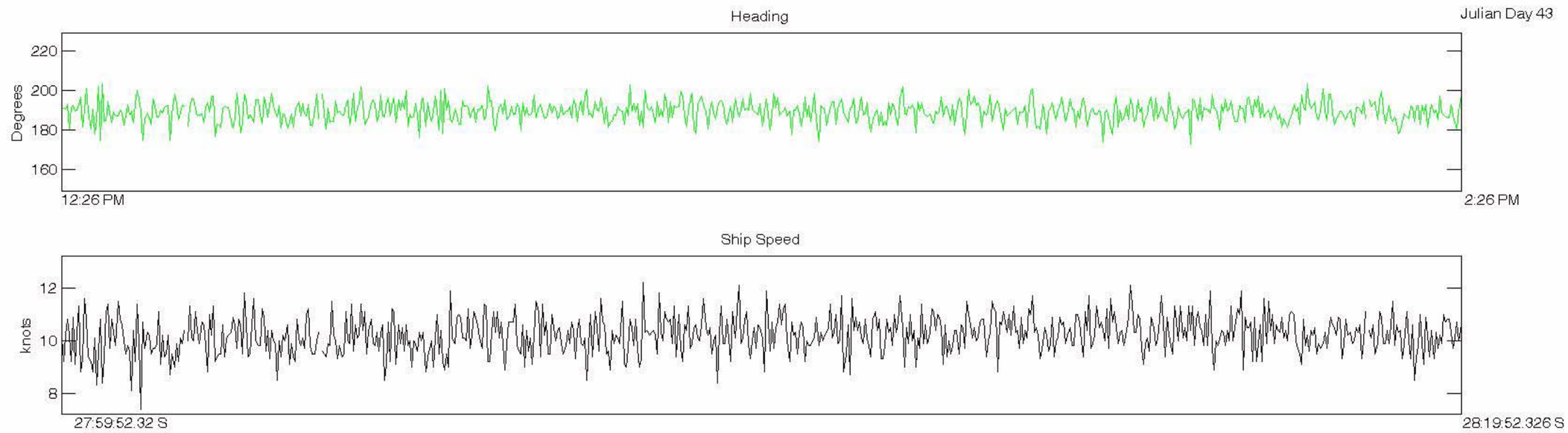

Heading
Julian Day 43
220
200
180
160
Degrees
10:26 AM
12:26 PM
Ship Speed
12
10
8
knots
27:40:24.762 S
27:59:50.706 S

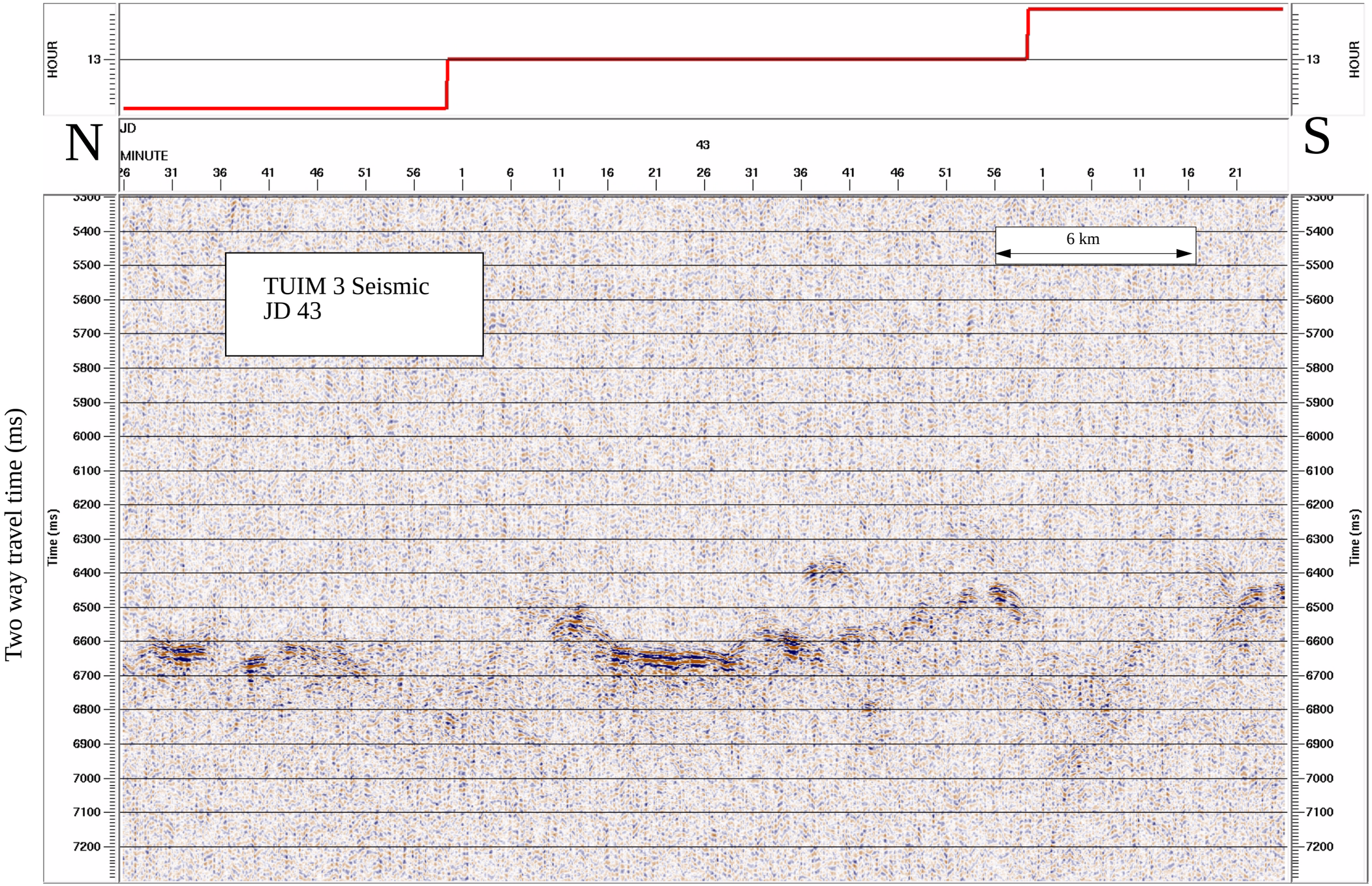

12 kHz Depth
3000
3500
4000
4500
5000
meters
151:31:8.64 W
151:34:48.702 W
x 10^4
Total Magnetic Field
4.25
4.2
4.15
4.1
nT
File=2161
File=2880

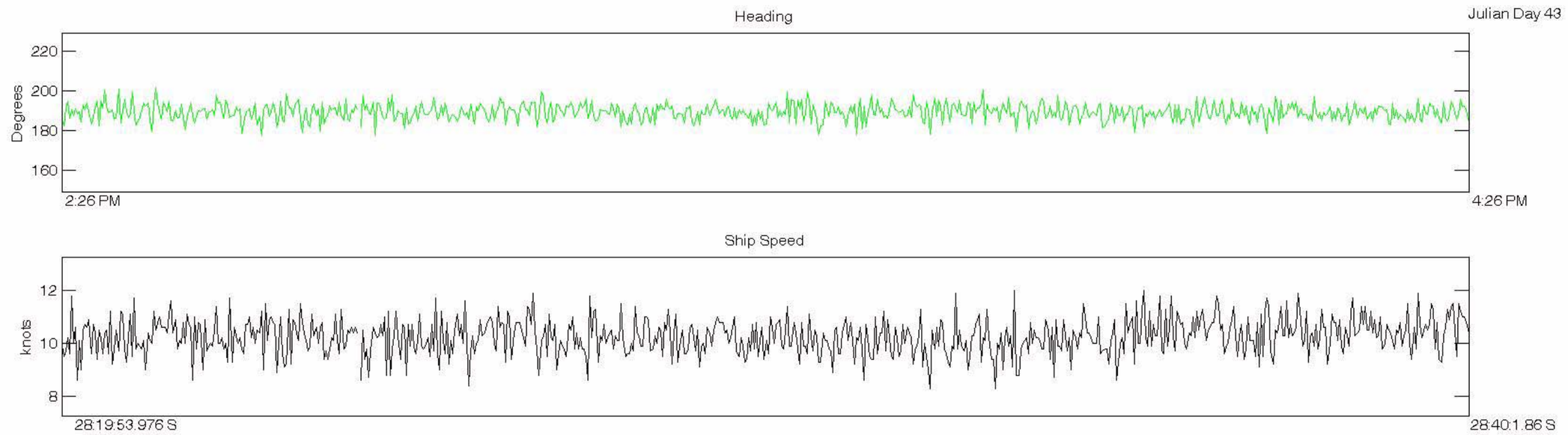

HOUR
11
N
S
JD
43
MINUTE
26 31 36 41 46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6 11 16 21
6 km
TUIM 3 Seismic
JD 43
Time (ms)
3600 3800 4000 4200 4400 4600 4800 5000 5200 5400 5600 5800 6000 6200 6400 6600 6800
Two way travel time (ms)

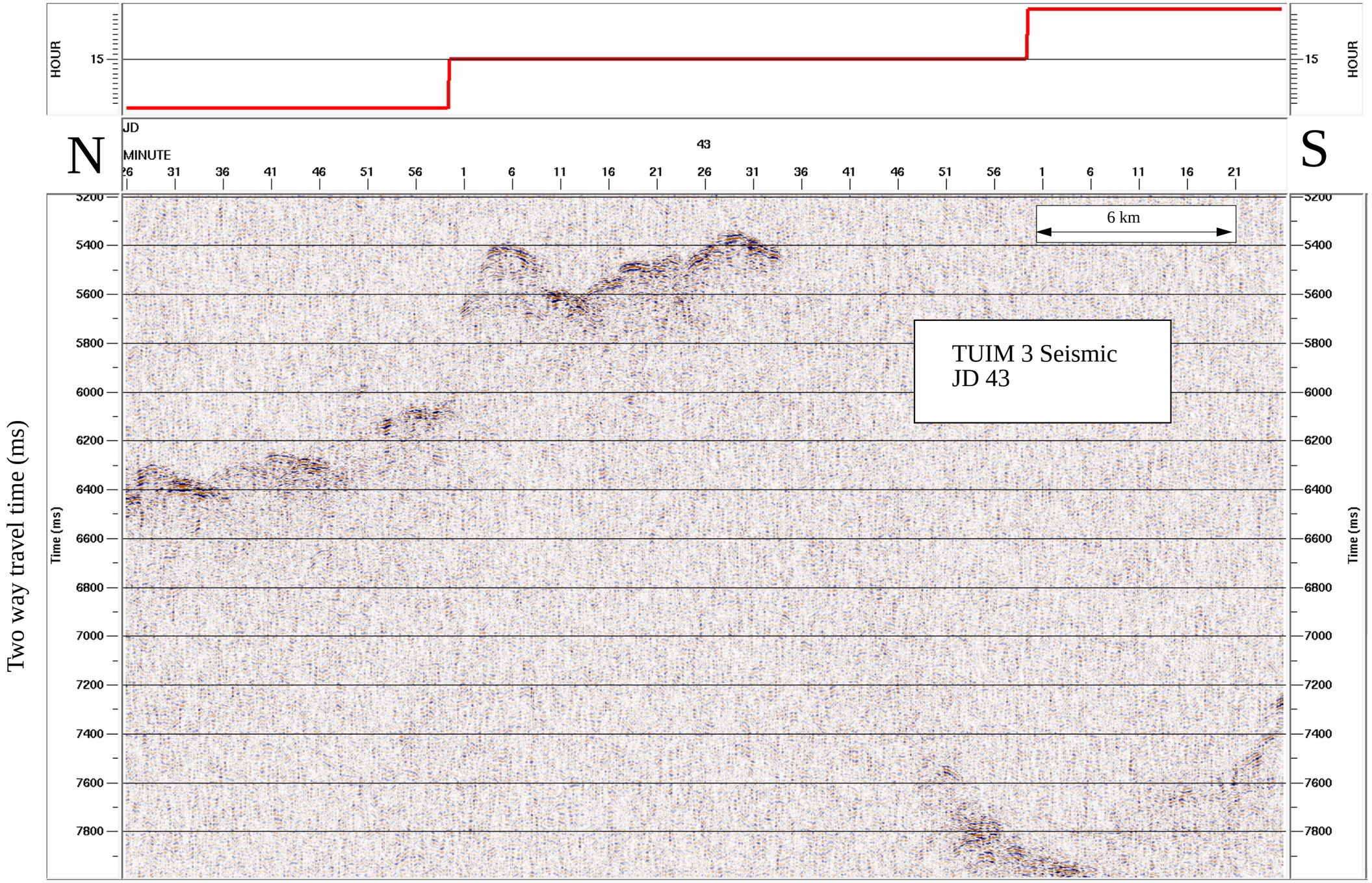
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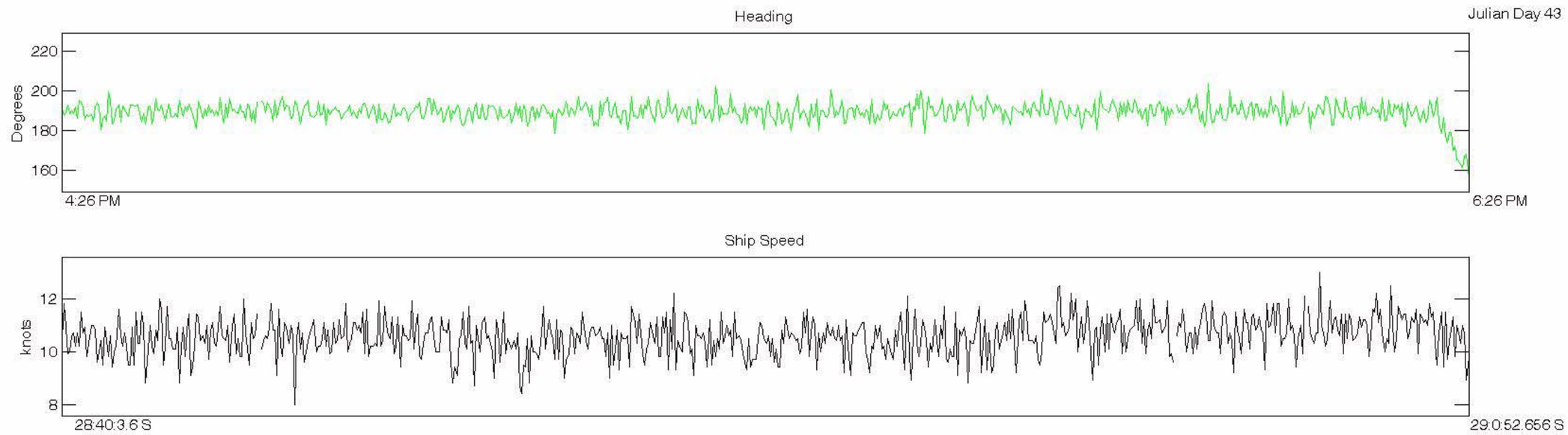


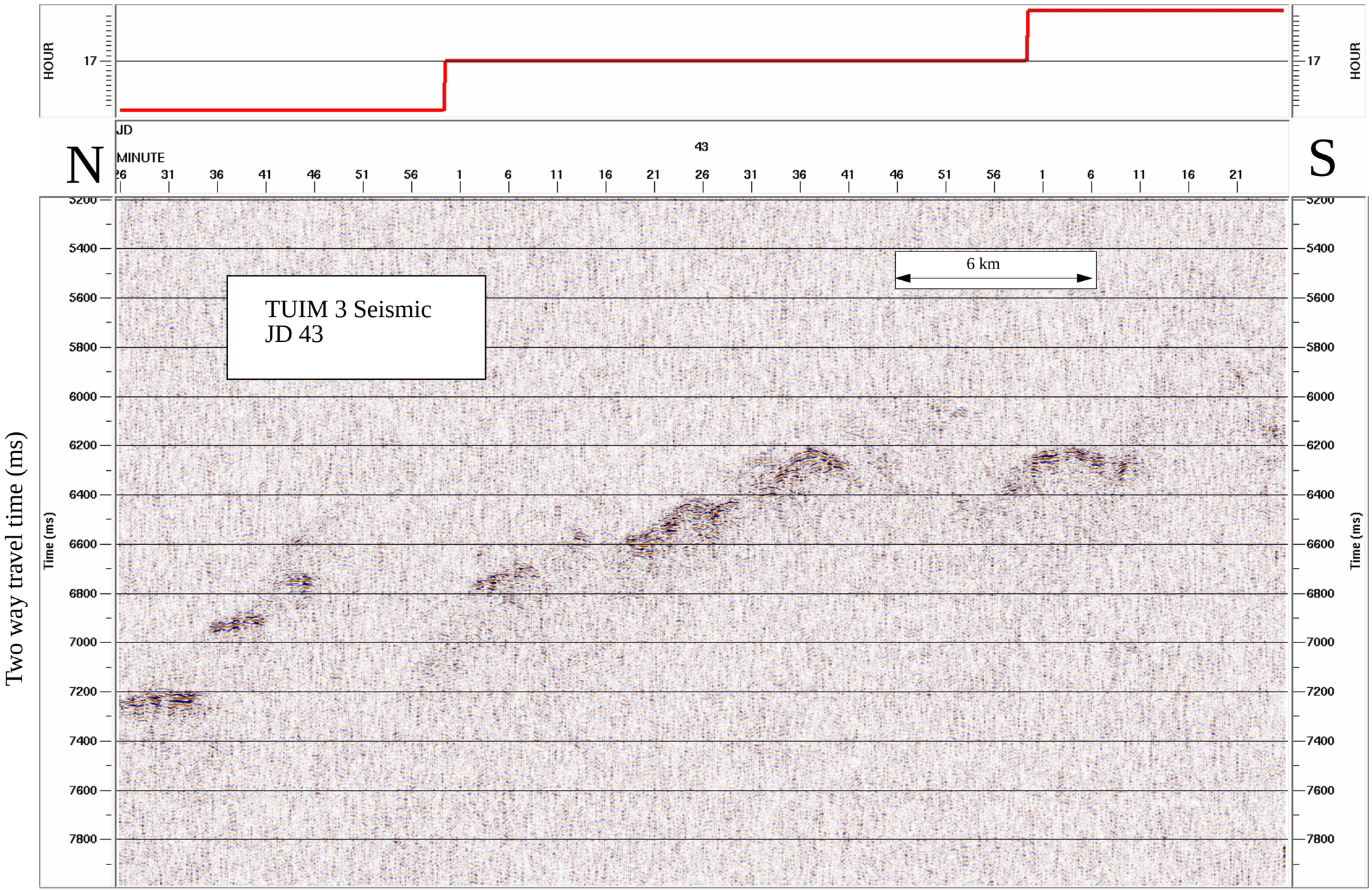

Heading
Julian Day 43
Degrees
220
200
180
160
12:26 PM
2:26 PM
Ship Speed
knots
12
10
8
27:59:52.32 S
28:19:52.326 S
12 kHz Depth
meters
4000
4500
5000
5500
6000
151:34:49.038 W
151:38:35.13 W
x 10^4
Total Magnetic Field
nT
4.25
4.2
4.15
4.1
File=2881
File=3600


HOUR
13
N
S
JD
43
MINUTE
26 31 36 41 46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6 11 16 21
6 km
TUIM 3 Seismic
JD 43
Time (ms)
5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200
Two way travel time (ms)


Heading
Julian Day 43
Degrees
220
200
180
160
2:26 PM
4:26 PM
Ship Speed
knots
12
10
8
28:19:53.976 S
28:40:1.86 S
12 kHz Depth
meters
3500
4000
4500
5000
5500
151:38:35.436 W
151:42:24.39 W
x 10^4
Total Magnetic Field
nT
4.3
4.25
4.2
4.15
File=3601
File=4320

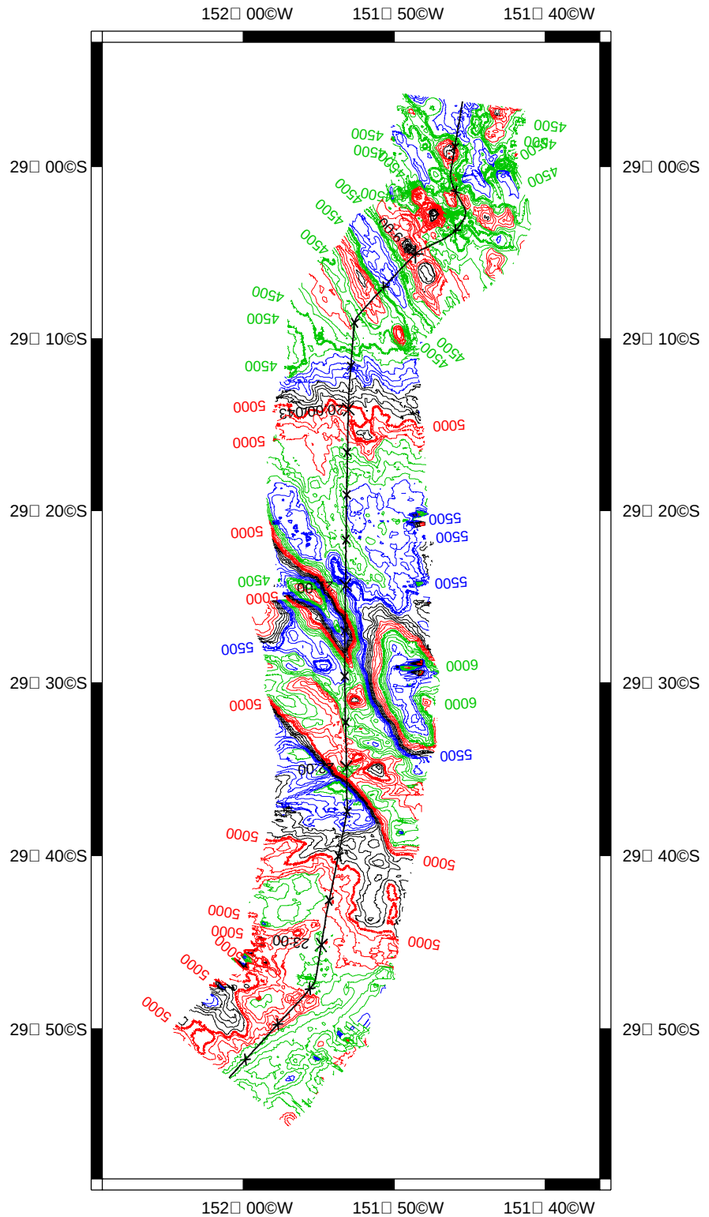

HOUR
15
JD
43
MINUTE
26 31 36 41 46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6 11 16 21
N
S
6 km
TUIM 3 Seismic
JD 43
Time (ms)
5200
5400
5600
5800
6000
6200
6400
6600
6800
7000
7200
7400
7600
7800
Two way travel time (ms)

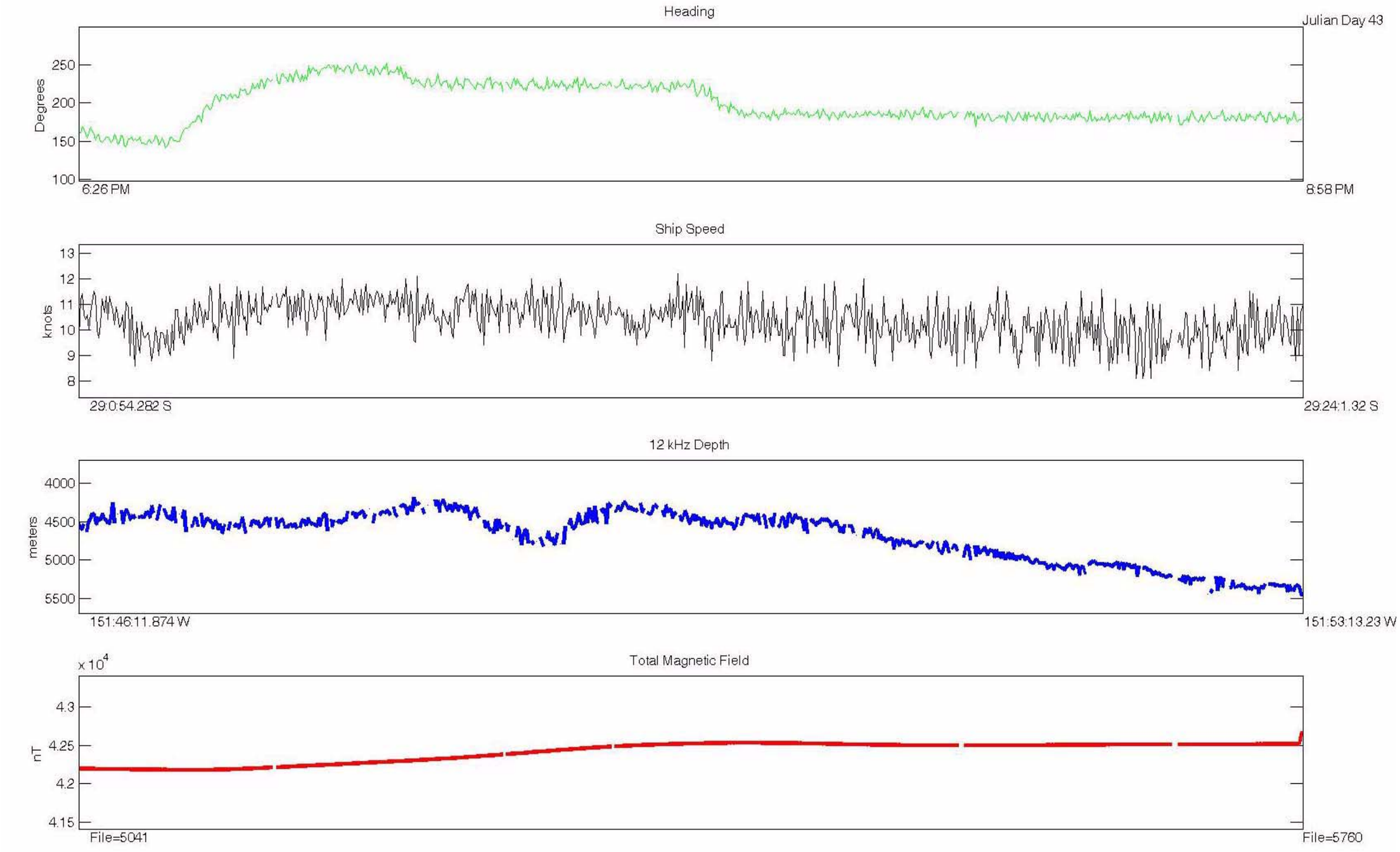

Heading
Julian Day 43
Degrees
220
200
180
160
4:26 PM
6:26 PM
Ship Speed
knots
12
10
8
28:40:3.6 S
29:0:52.656 S
12 kHz Depth
meters
4000
4500
5000
5500
6000
151:42:24.702 W
151:46:12.486 W
x 10^4
Total Magnetic Field
nT
4.3
4.25
4.2
4.15
File=4321
File=5040

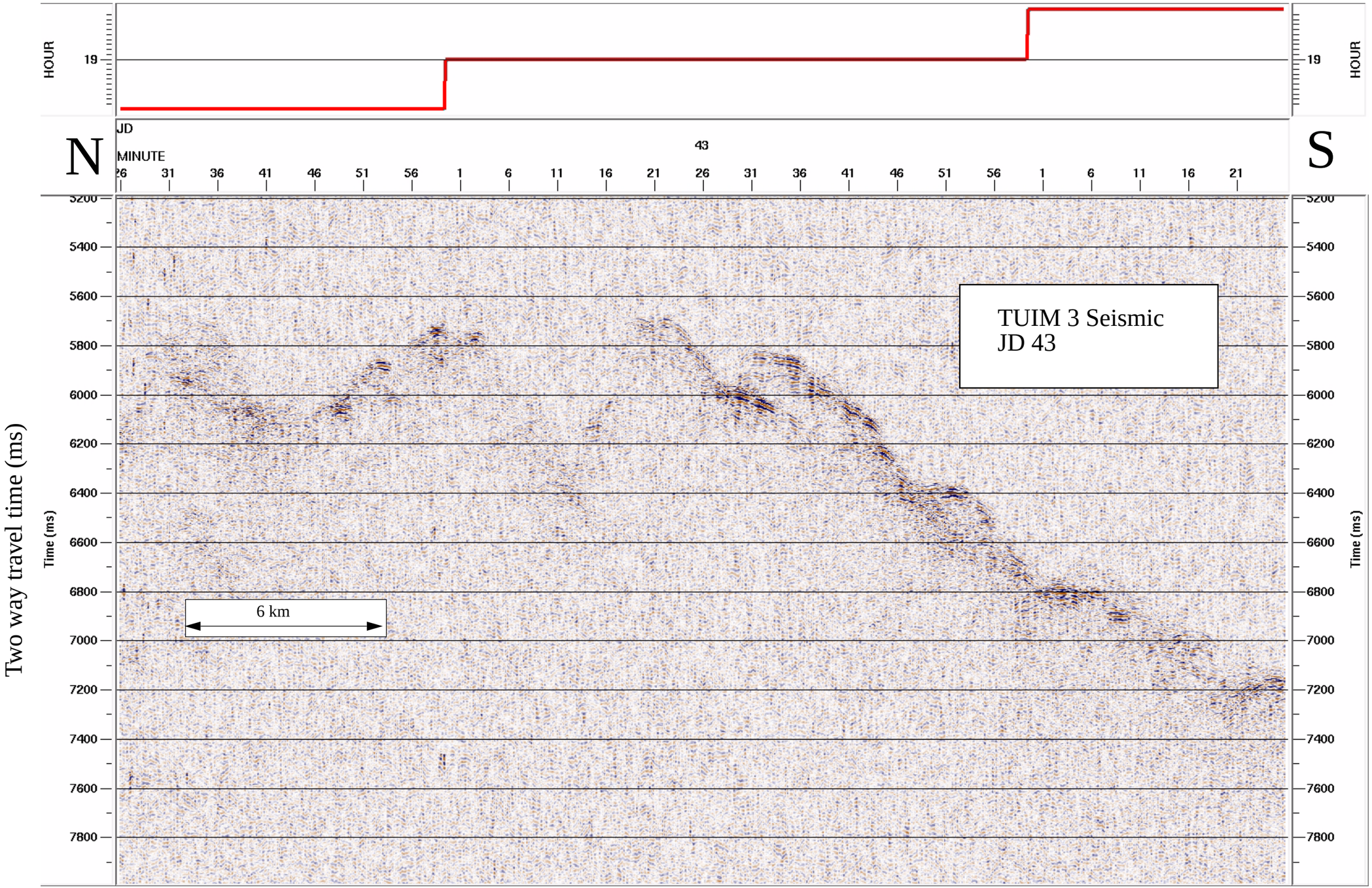


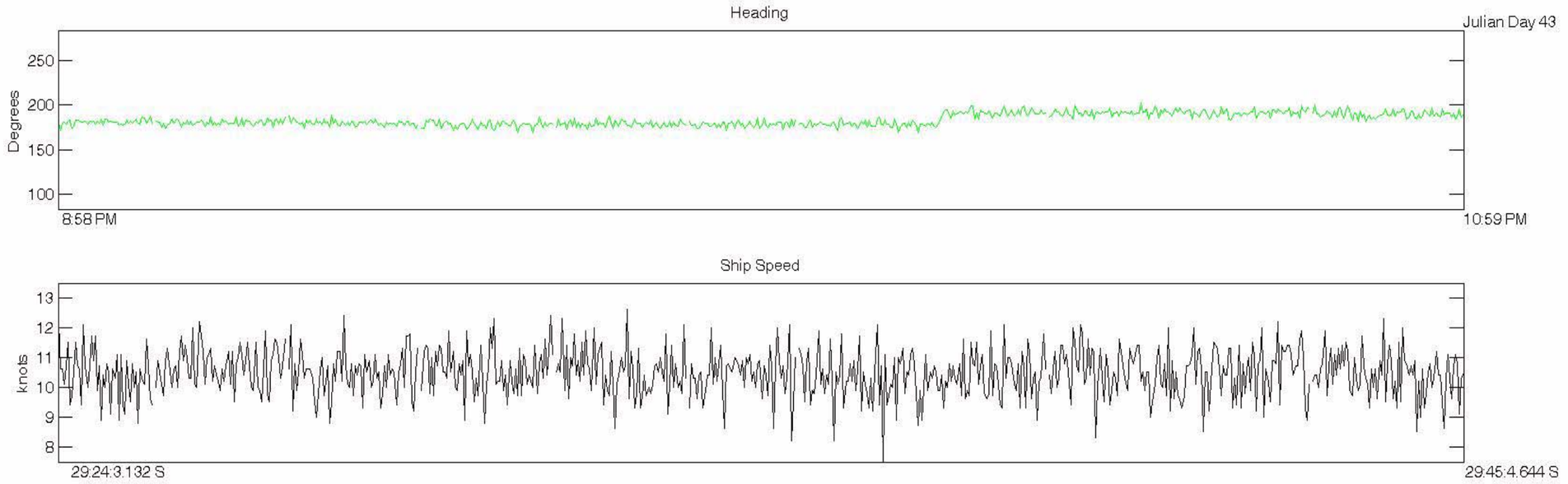
Two way travel time (ms)

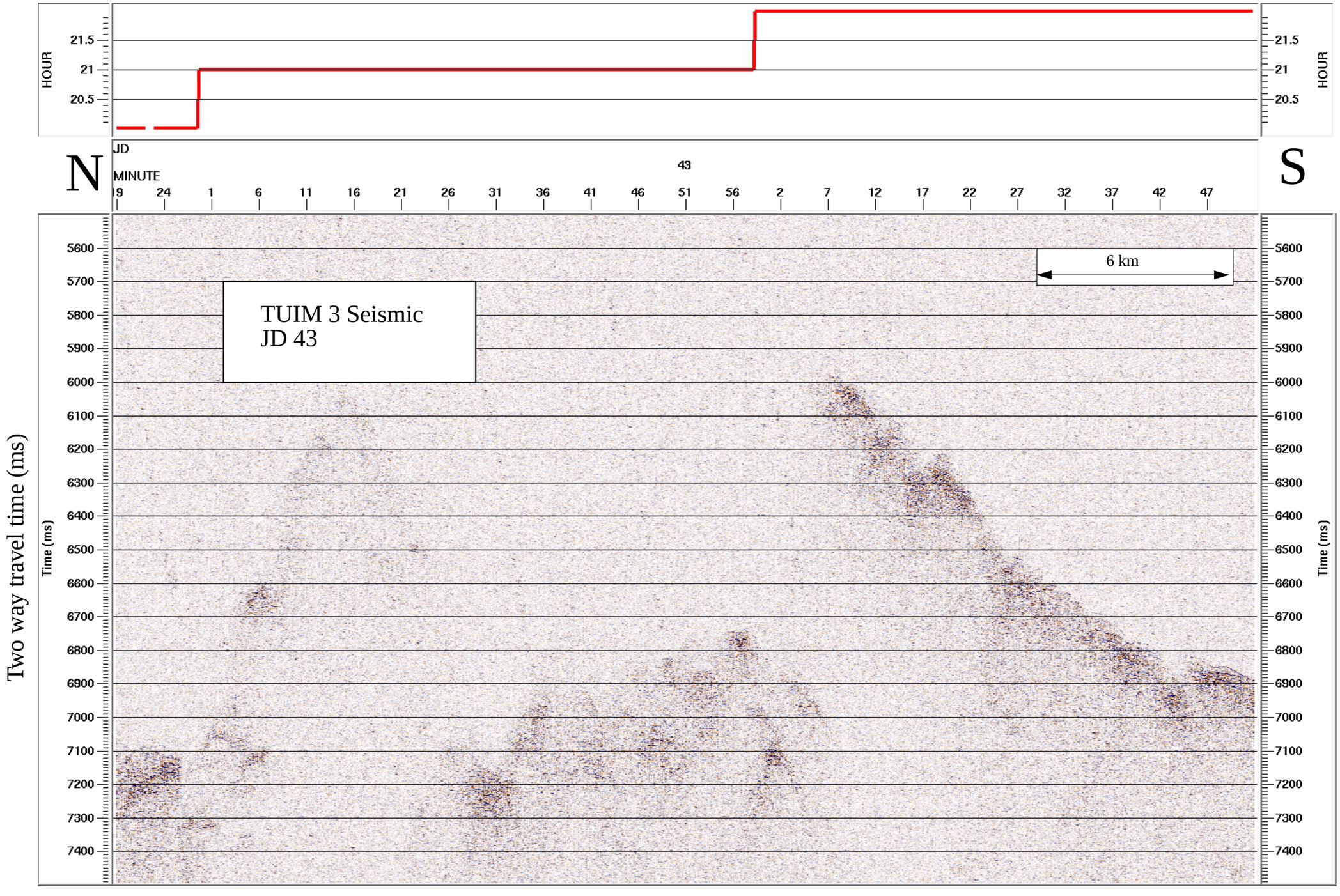
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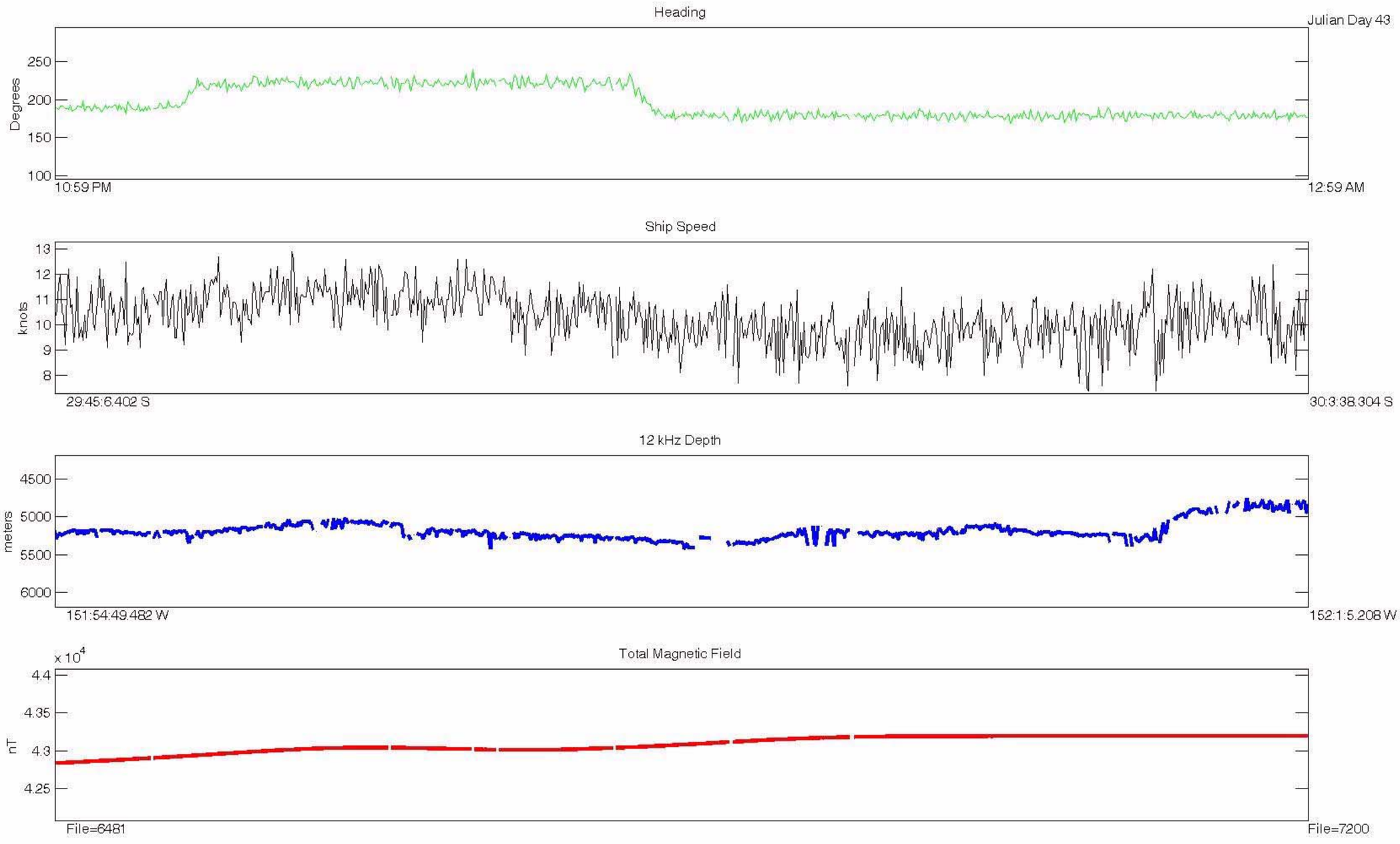


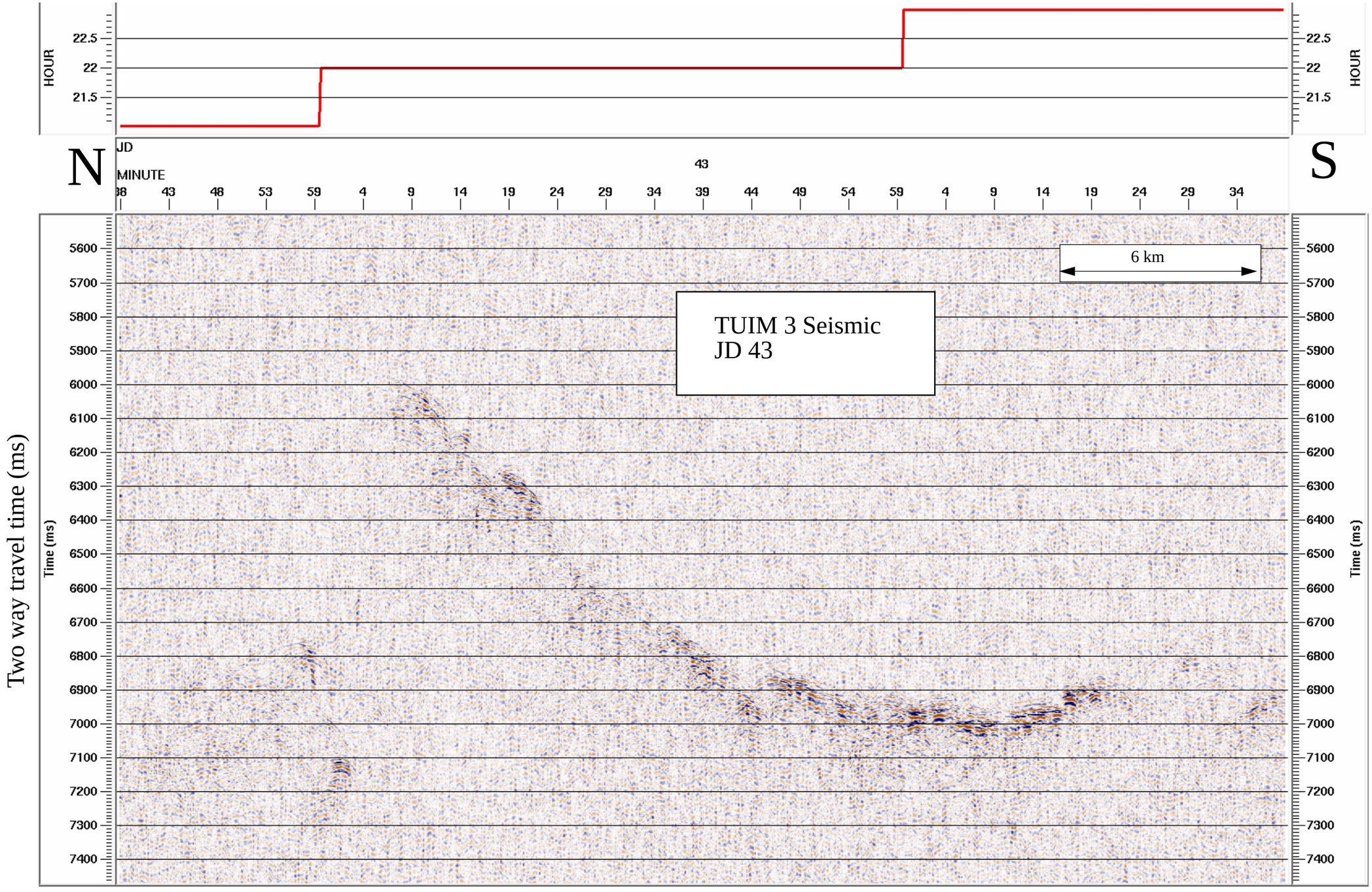

Heading
Julian Day 43
Degrees
250
200
150
100
6:26 PM
8:58 PM
Ship Speed
knots
13
12
11
10
9
8
29:0:54.282 S
29:24:1.32 S
12 kHz Depth
meters
4000
4500
5000
5500
151:46:11.874 W
151:53:13.23 W
x 10^4
Total Magnetic Field
nT
4.3
4.25
4.2
4.15
File=5041
File=5760


HOUR
19
N
S
JD
43
MINUTE
26 31 36 41 46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6 11 16 21
5200
5400
5600
5800
6000
6200
6400
6600
6800
7000
7200
7400
7600
7800
Time (ms)
TUIM 3 Seismic
JD 43
6 km
Two way travel time (ms)


Heading
Julian Day 43
Degrees
250
200
150
100
8:58 PM
10:59 PM
Ship Speed
knots
13
12
11
10
9
8
29:24:3.132 S
29:45:4.644 S
12 kHz Depth
meters
4500
5000
5500
6000
151:53:13.302 W
151:54:49.17 W
x 10^4
Total Magnetic Field
nT
4.35
4.3
4.25
4.2
File=5761
File=6480

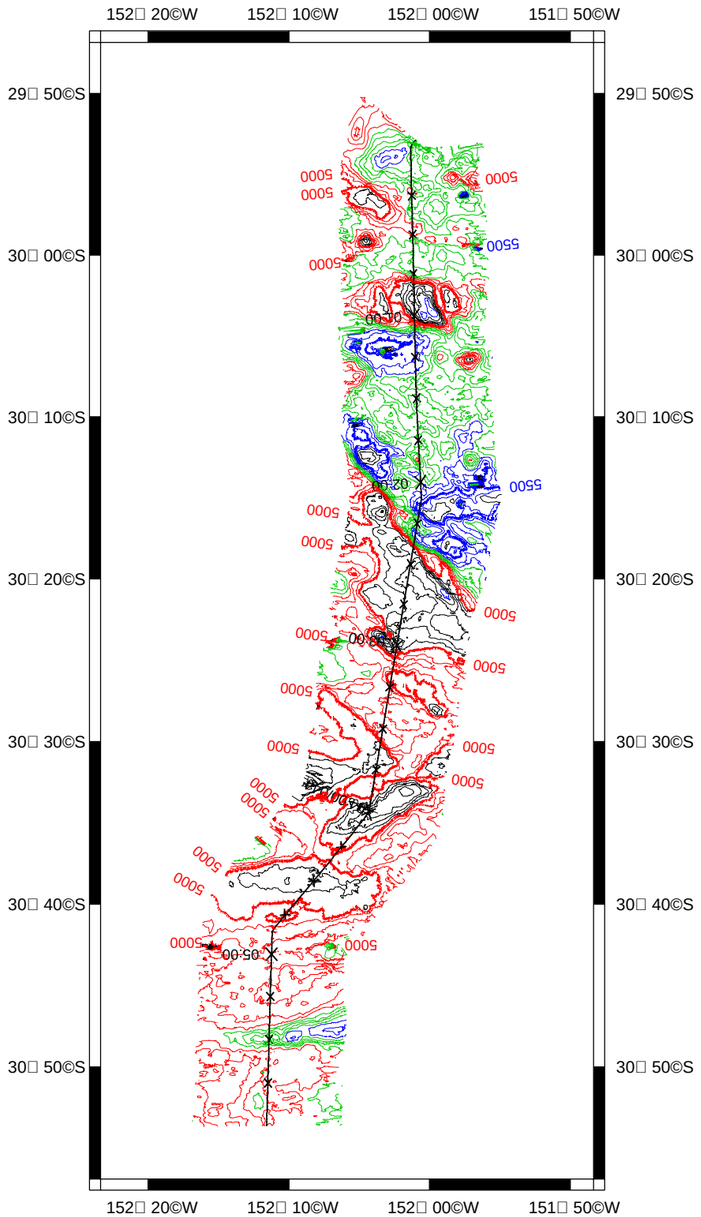

HOUR
21.5
21
20.5
N
S
JD
MINUTE
43
19 24 1 6 11 16 21 26 31 36 41 46 51 56 2 7 12 17 22 27 32 37 42 47
6 km
TUIM 3 Seismic
JD 43
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400
Two way travel time (ms)

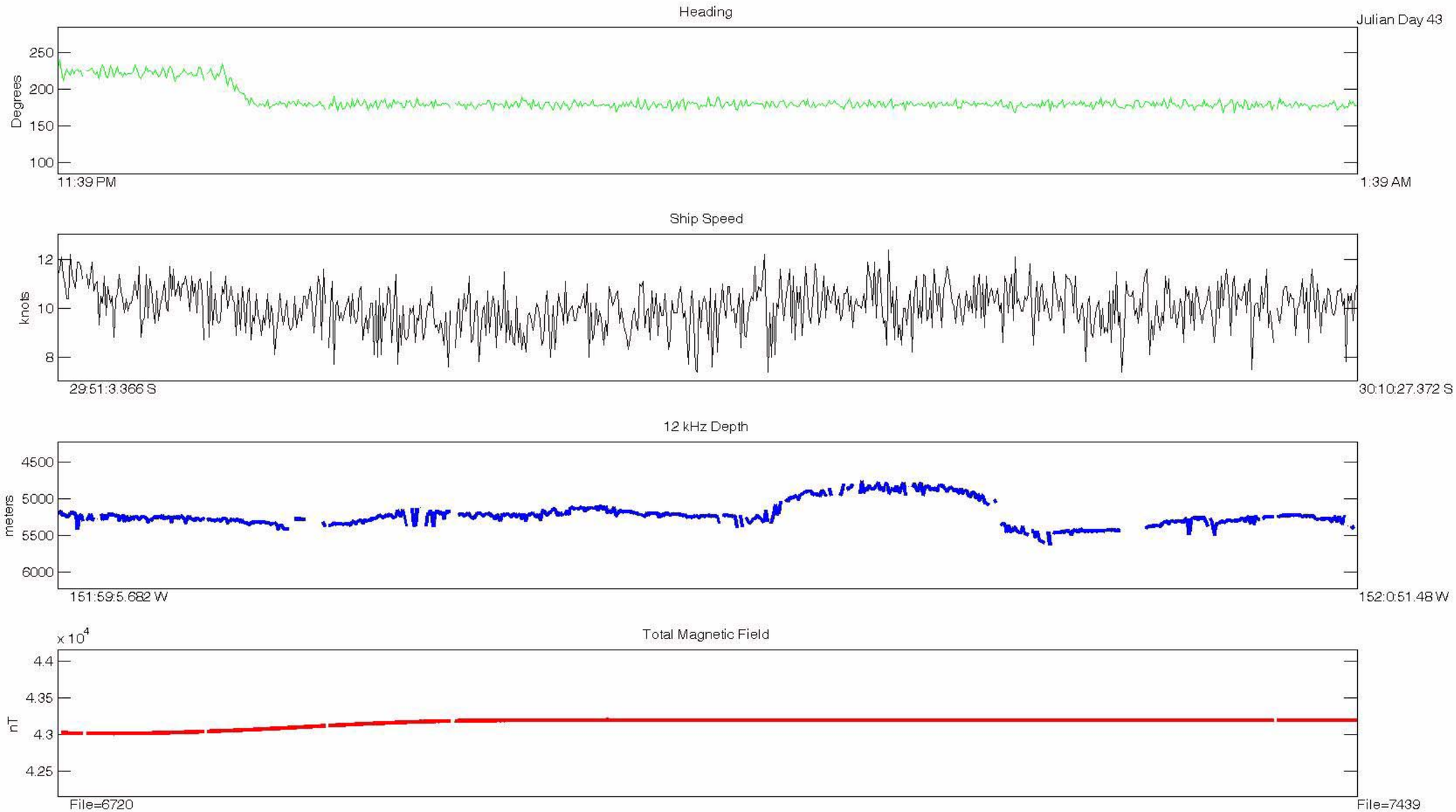

Heading
Julian Day 43
Degrees
250
200
150
100
10:59 PM
12:59 AM
Ship Speed
knots
13
12
11
10
9
8
29:45:6.402 S
30:3:38.304 S
12 kHz Depth
meters
4500
5000
5500
6000
151:54:49.482 W
152:1:5.208 W
Total Magnetic Field
x 10^4
4.4
4.35
4.3
4.25
nT
File=6481
File=7200

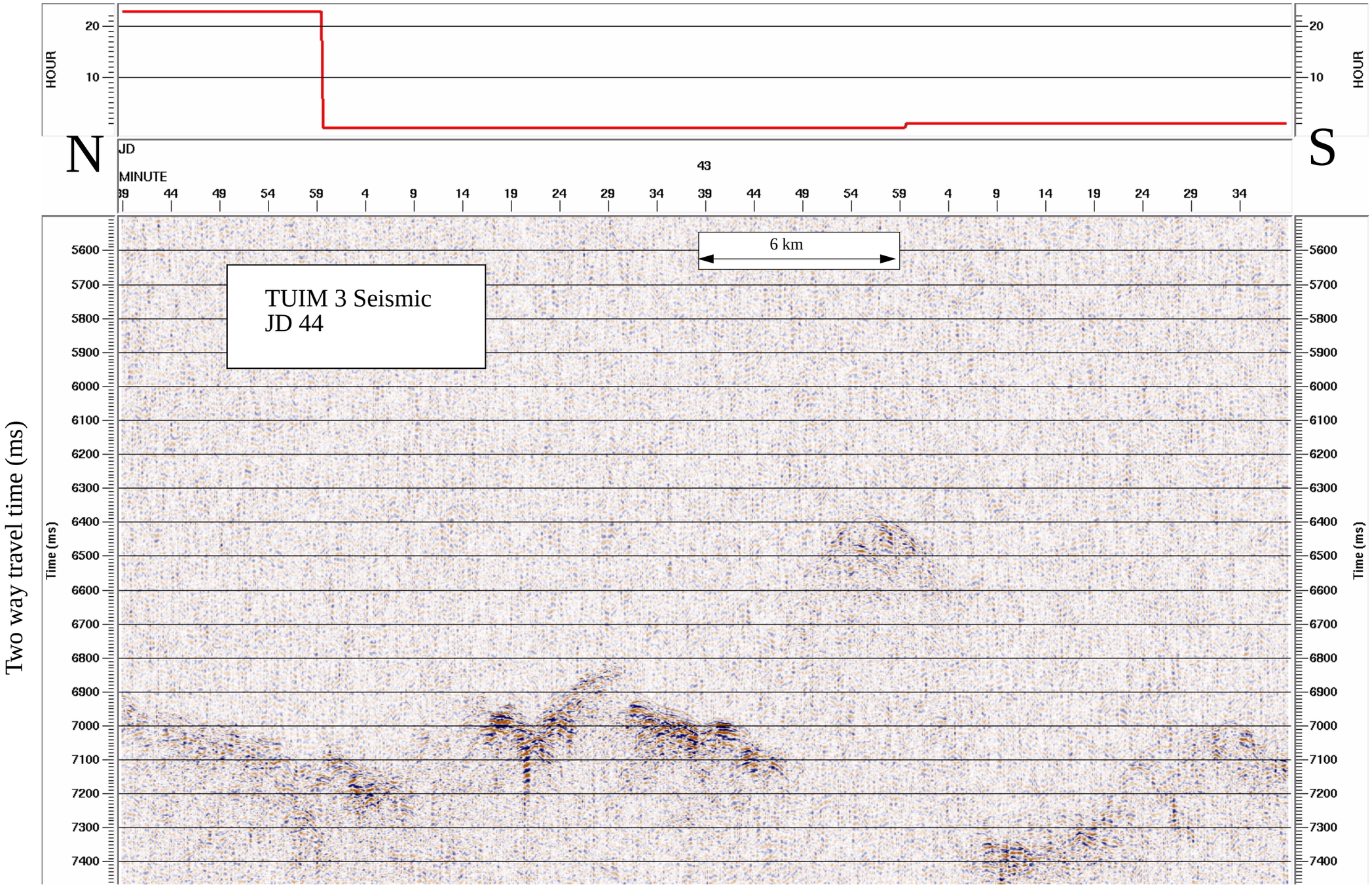

HOUR
22.5
22
21.5
N
S
JD
43
MINUTE
38 43 48 53 59 4 9 14 19 24 29 34 39 44 49 54 59 4 9 14 19 24 29 34
6 km
TUIM 3 Seismic
JD 43
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400
Two way travel time (ms)

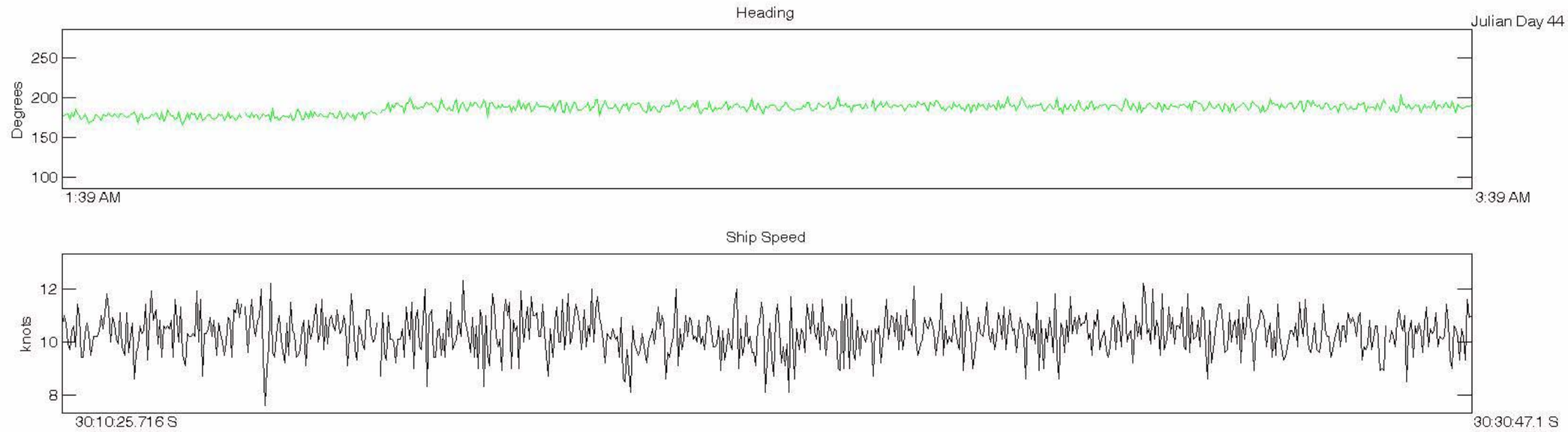
Julian Day 44
13 February 2005
150 c.i GI gun Source,
4-channel SIO streamer

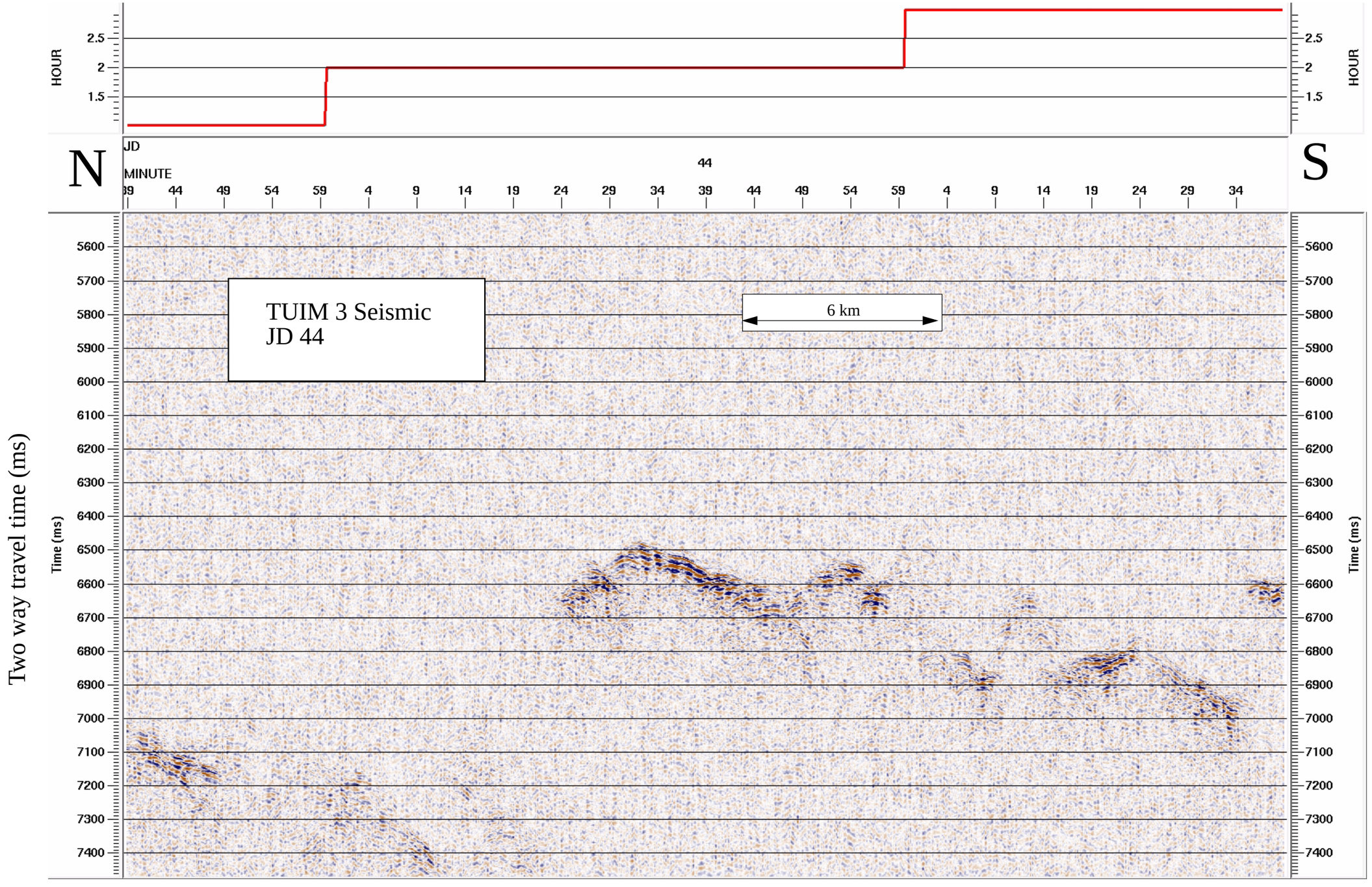
Data File SBfixavg.2005feb13.0000-0600

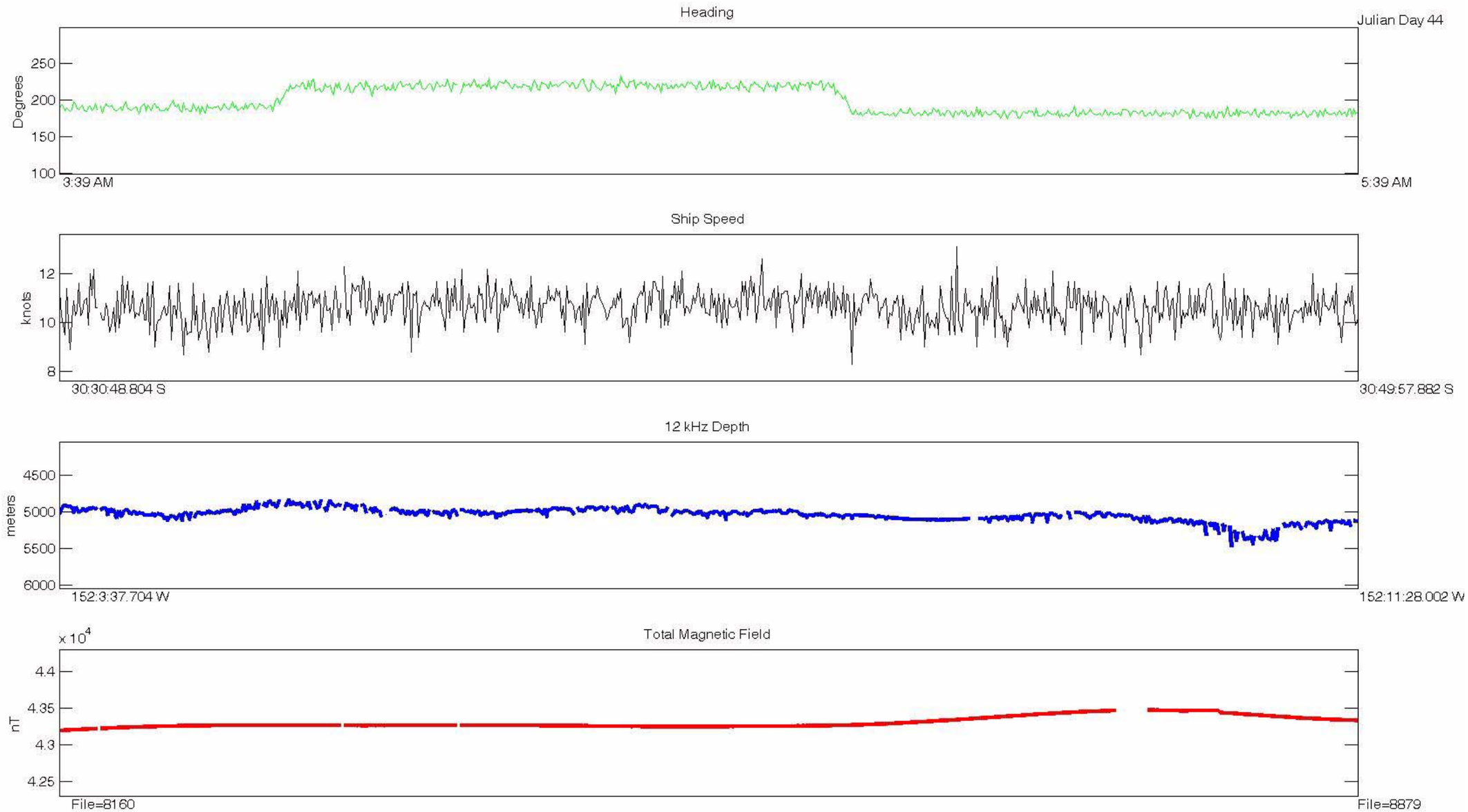


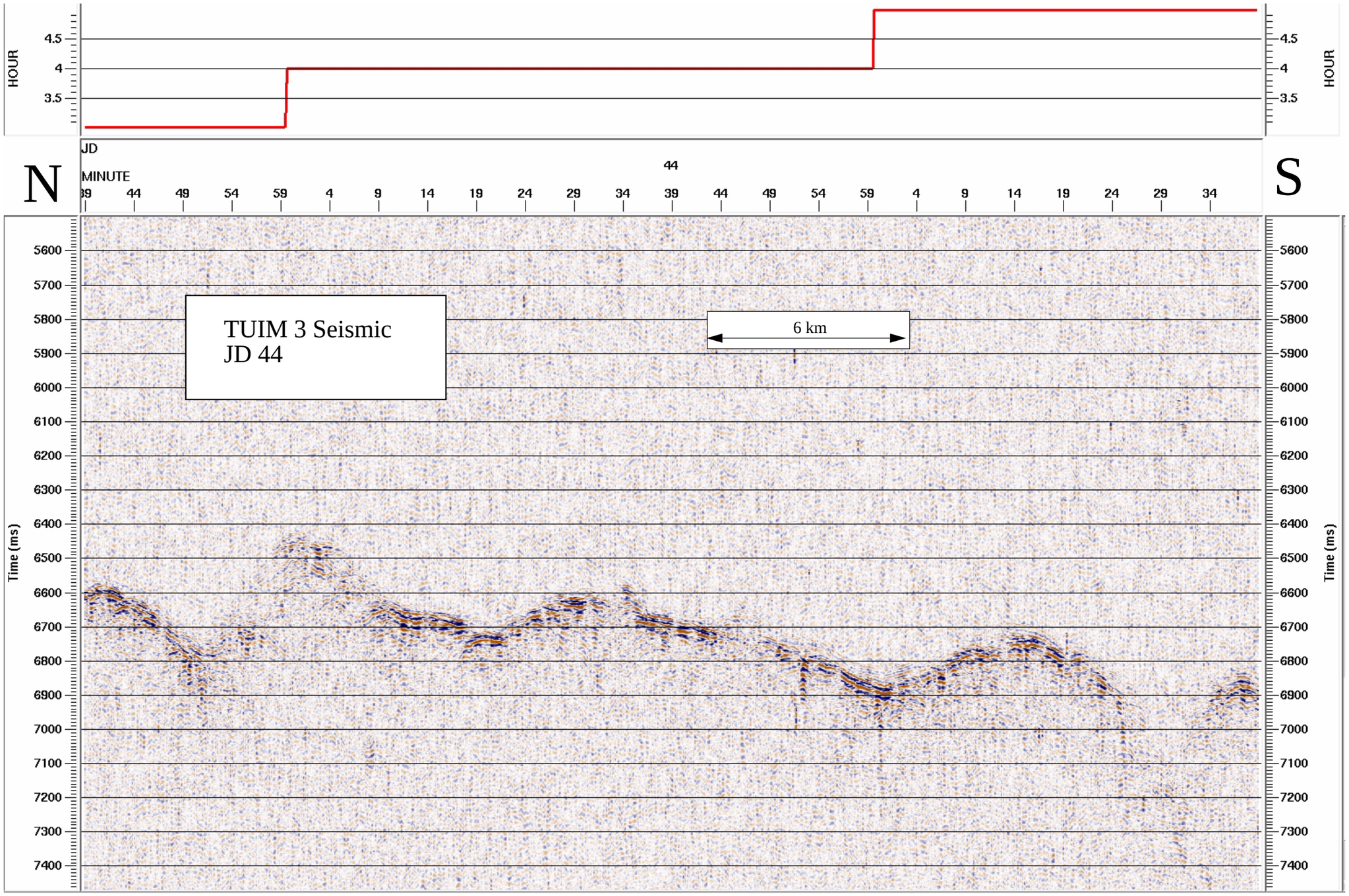

Heading
Julian Day 43
Degrees
250
200
150
100
11:39 PM
1:39 AM
Ship Speed
knots
12
10
8
29:51:3.366 S
30:10:27.372 S
12 kHz Depth
meters
4500
5000
5500
6000
151:59:5.682 W
152:0:51.48 W
x 10^4
Total Magnetic Field
nT
4.4
4.35
4.3
4.25
File=6720
File=7439


HOUR
20
10
N
S
JD
43
MINUTE
39 44 49 54 59 4 9 14 19 24 29 34 39 44 49 54 59 4 9 14 19 24 29 34
6 km
TUIM 3 Seismic
JD 44
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400
Two way travel time (ms)

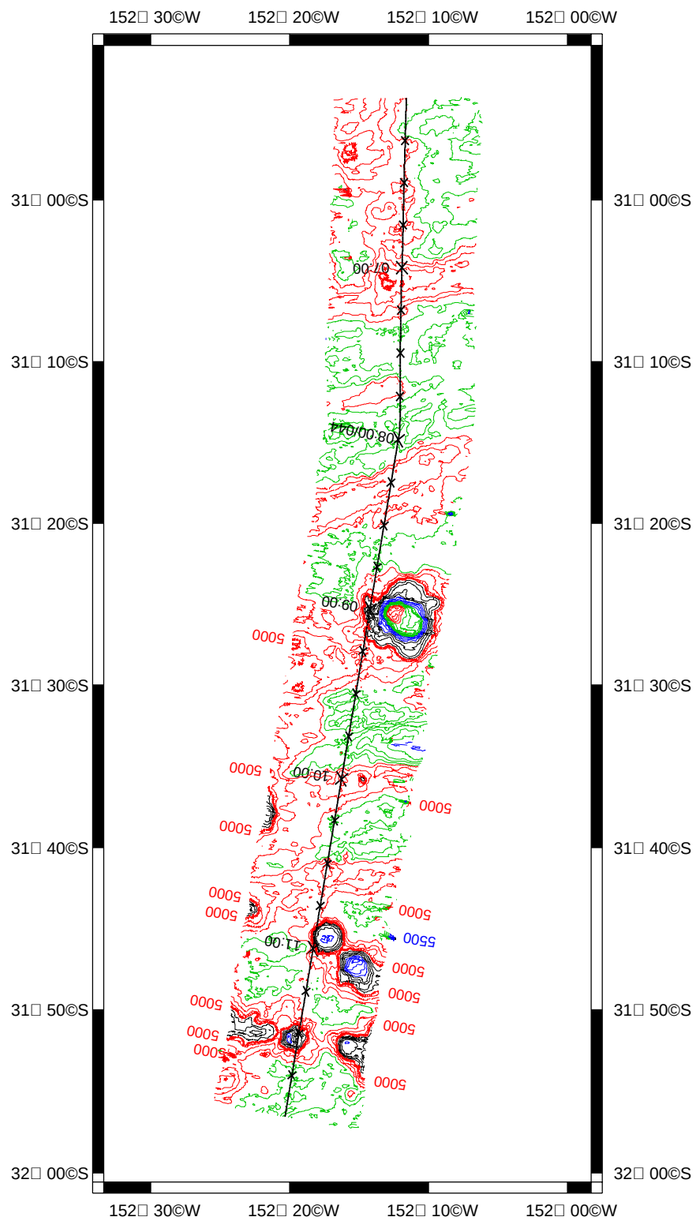

Heading
Julian Day 44
Degrees
250
200
150
100
1:39 AM
3:39 AM
Ship Speed
knots
12
10
8
30:10:25.716 S
30:30:47.1 S
12 kHz Depth
meters
4500
5000
5500
6000
152:0:51.546 W
152:3:37.392 W
x 10^4
Total Magnetic Field
nT
4.4
4.35
4.3
4.25
File=7438
File=8159

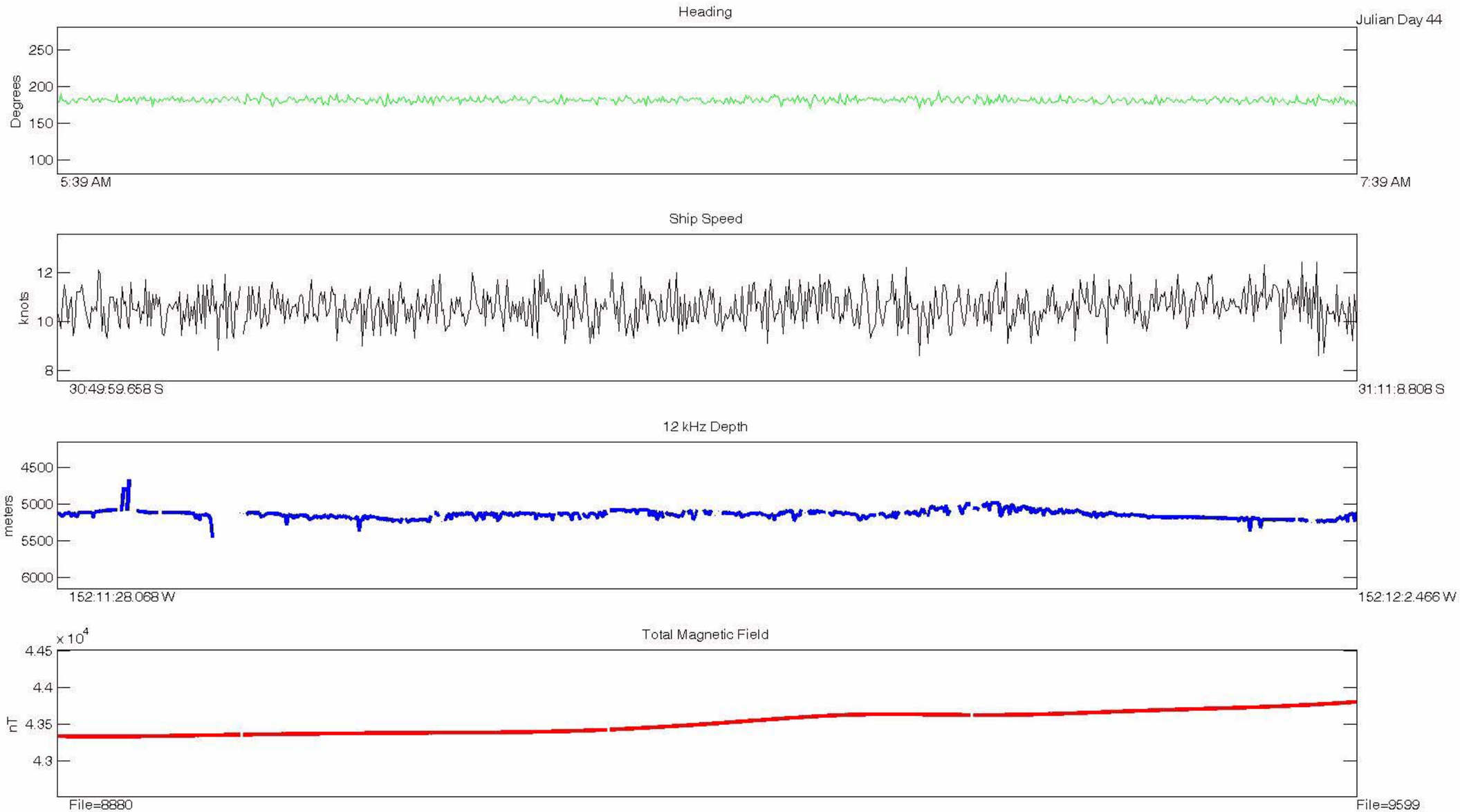

HOUR
2.5
2
1.5
N
S
JD
MINUTE
44
39 44 49 54 59 4 9 14 19 24 29 34 39 44 49 54 59 4 9 14 19 24 29 34
TUIM 3 Seismic
JD 44
6 km
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400
Two way travel time (ms)

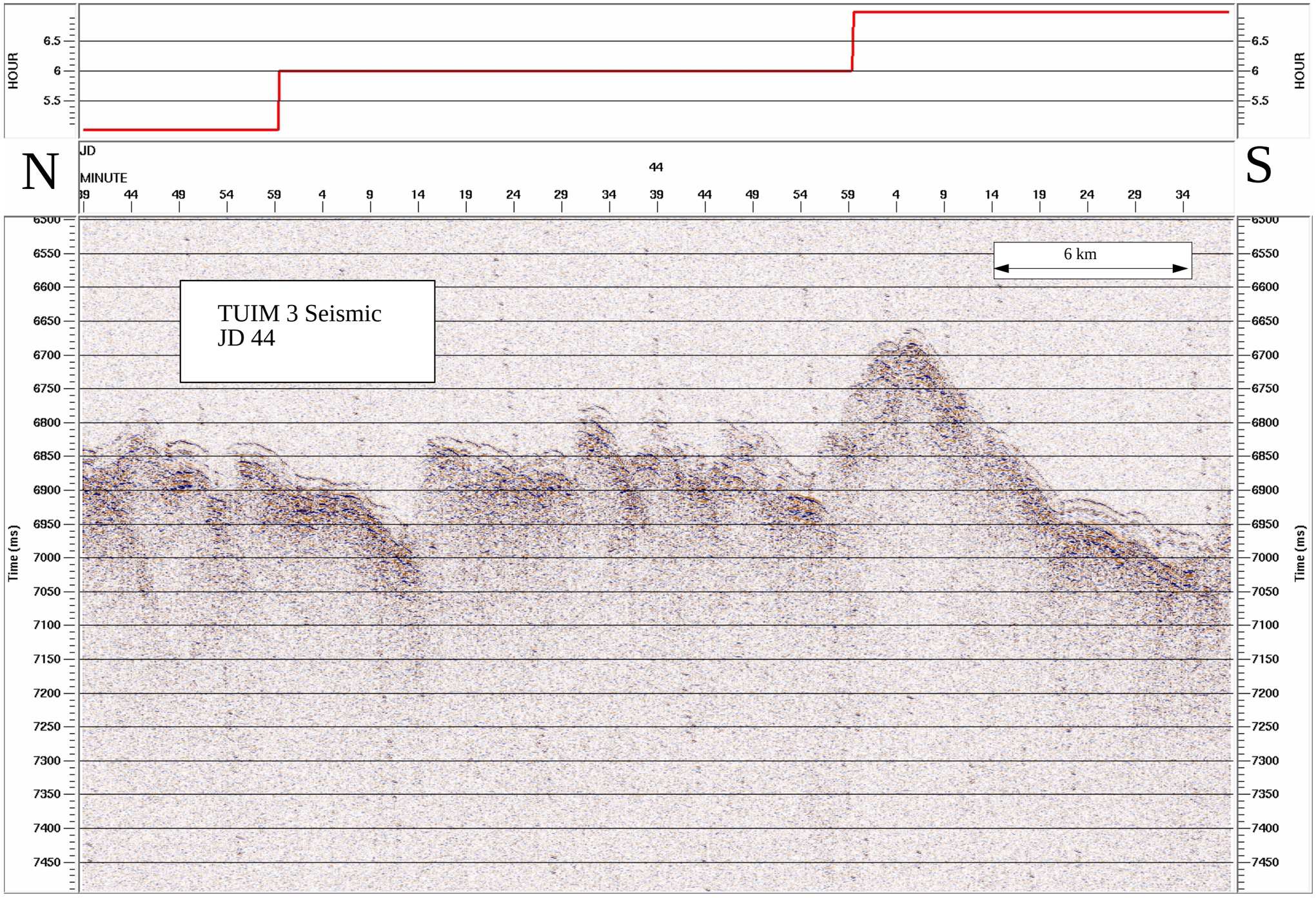

Heading
Julian Day 44
Degrees
250
200
150
100
3:39 AM
5:39 AM
Ship Speed
knots
12
10
8
30:30:48.804 S
30:49:57.882 S
12 kHz Depth
meters
4500
5000
5500
6000
152:3:37.704 W
152:11:28.002 W
Total Magnetic Field
x 10^4
nT
4.4
4.35
4.3
4.25
File=8160
File=8879


HOUR
4.5
4
3.5
JD
44
MINUTE
39 44 49 54 59 4 9 14 19 24 29 34 39 44 49 54 59 4 9 14 19 24 29 34
N
S
TUIM 3 Seismic
JD 44
6 km
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400
Two way travel time (ms)

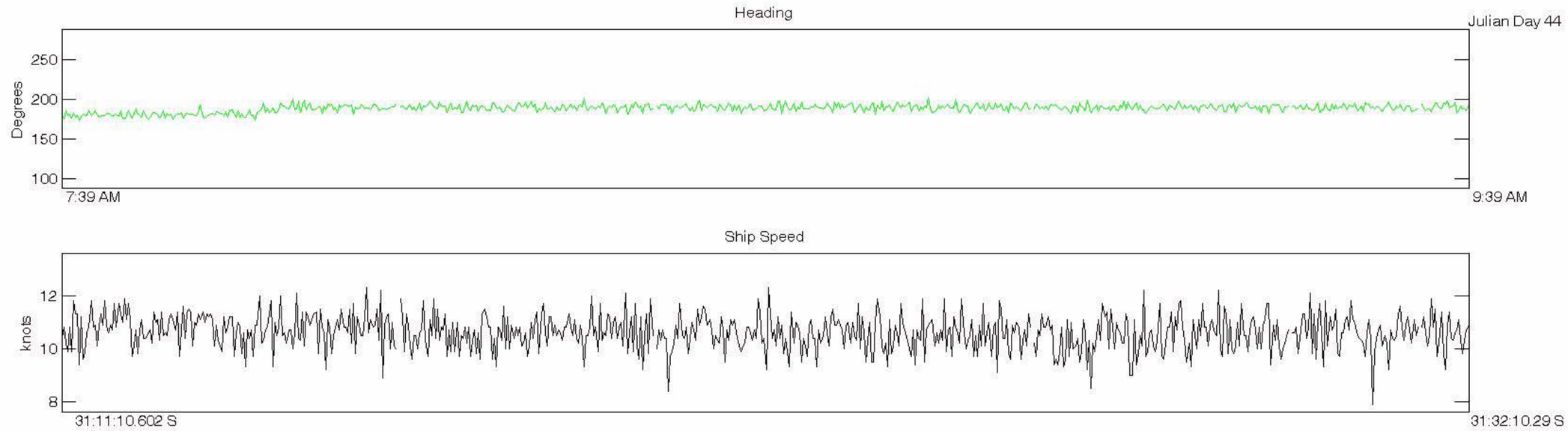
Data File SBfixavg.2005feb13.0600-1200

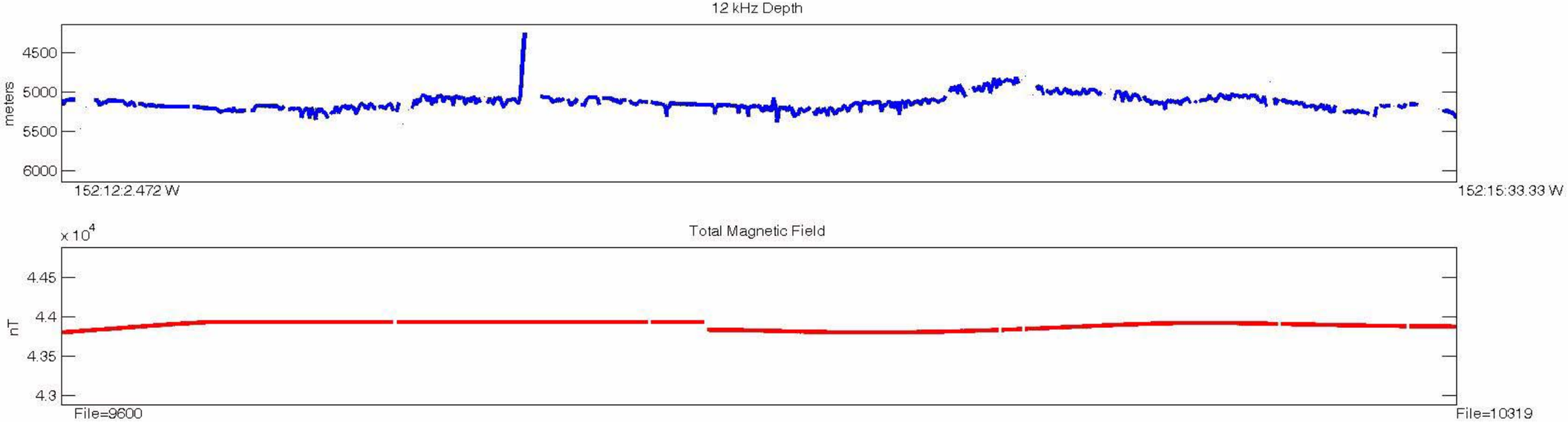


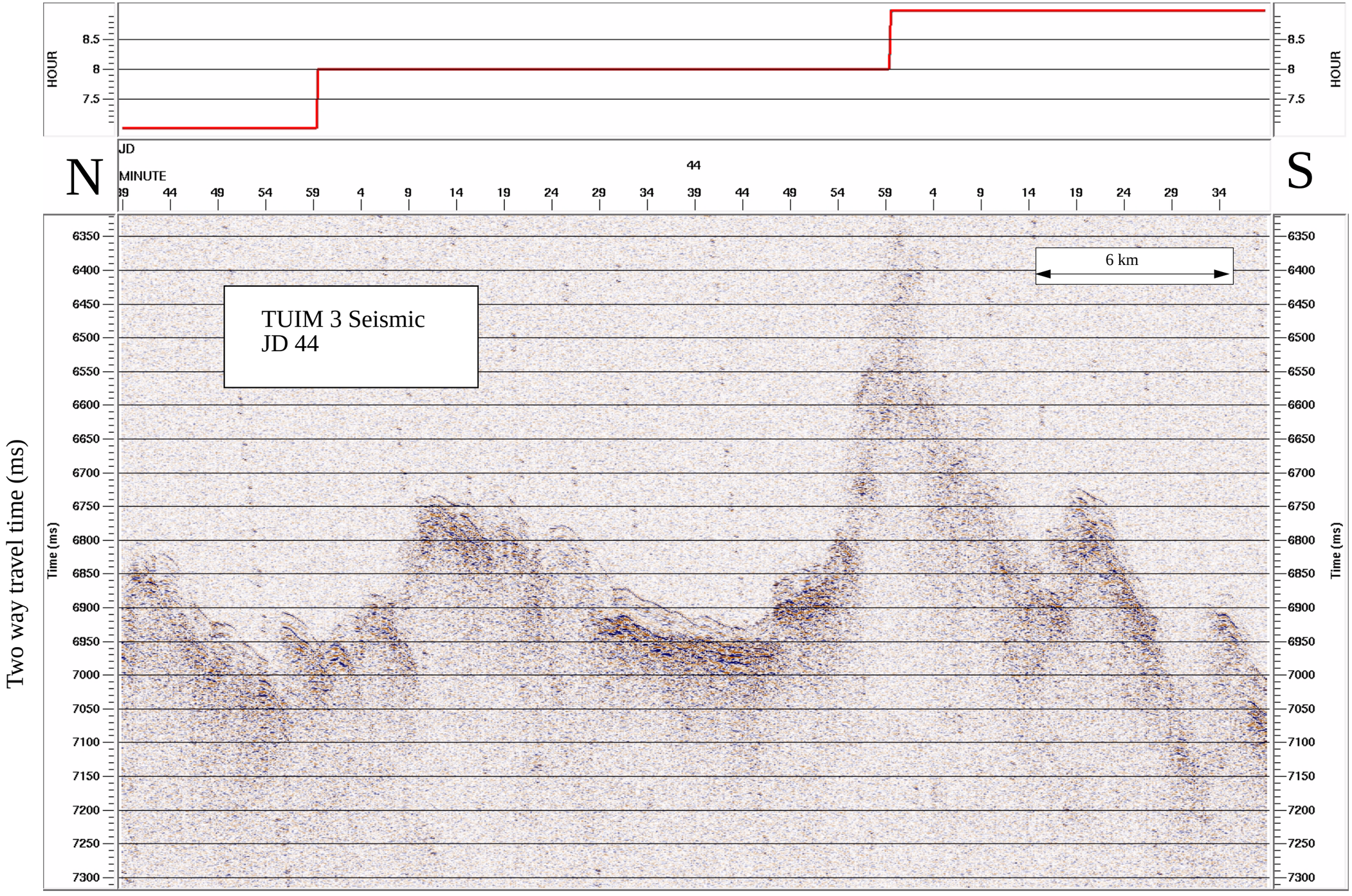

Heading
Julian Day 44
Degrees
250
200
150
100
5:39 AM
7:39 AM
Ship Speed
knots
12
10
8
30:49:59.658 S
31:11:8.808 S
12 kHz Depth
meters
4500
5000
5500
6000
152:11:28.068 W
152:12:2.466 W
Total Magnetic Field
x 10^4
nT
4.45
4.4
4.35
4.3
File=8880
File=9599

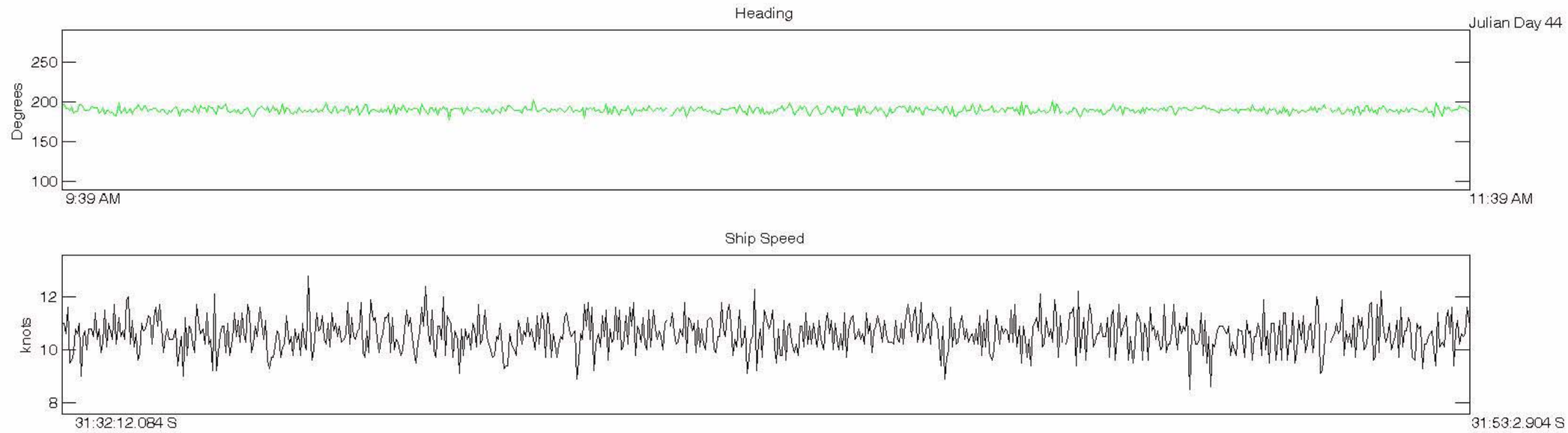


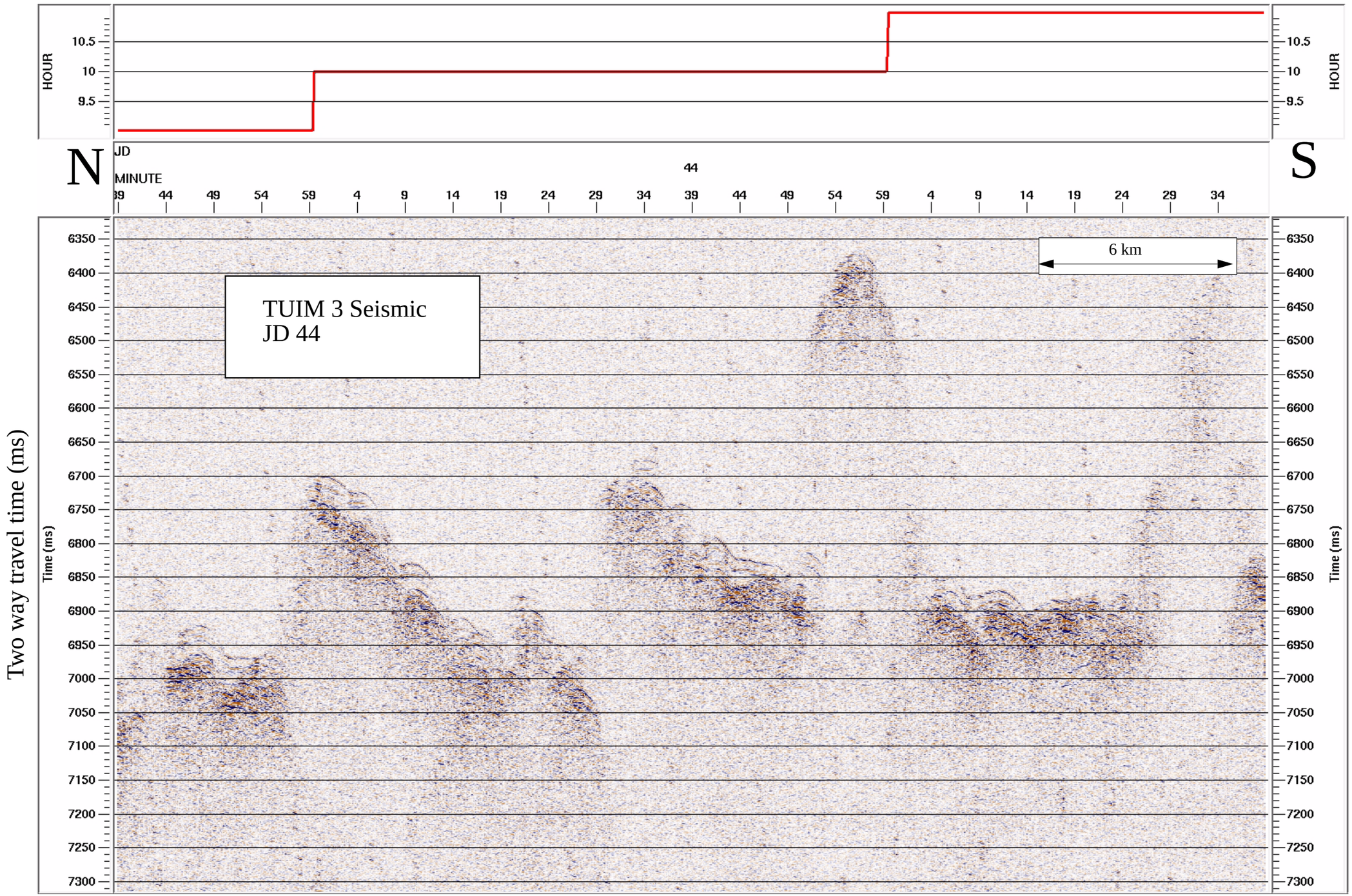
Two way travel time (ms)


Heading
Julian Day 44
Degrees
250
200
150
100
7:39 AM
9:39 AM
Ship Speed
knots
12
10
8
31:11:10.602 S
31:32:10.29 S

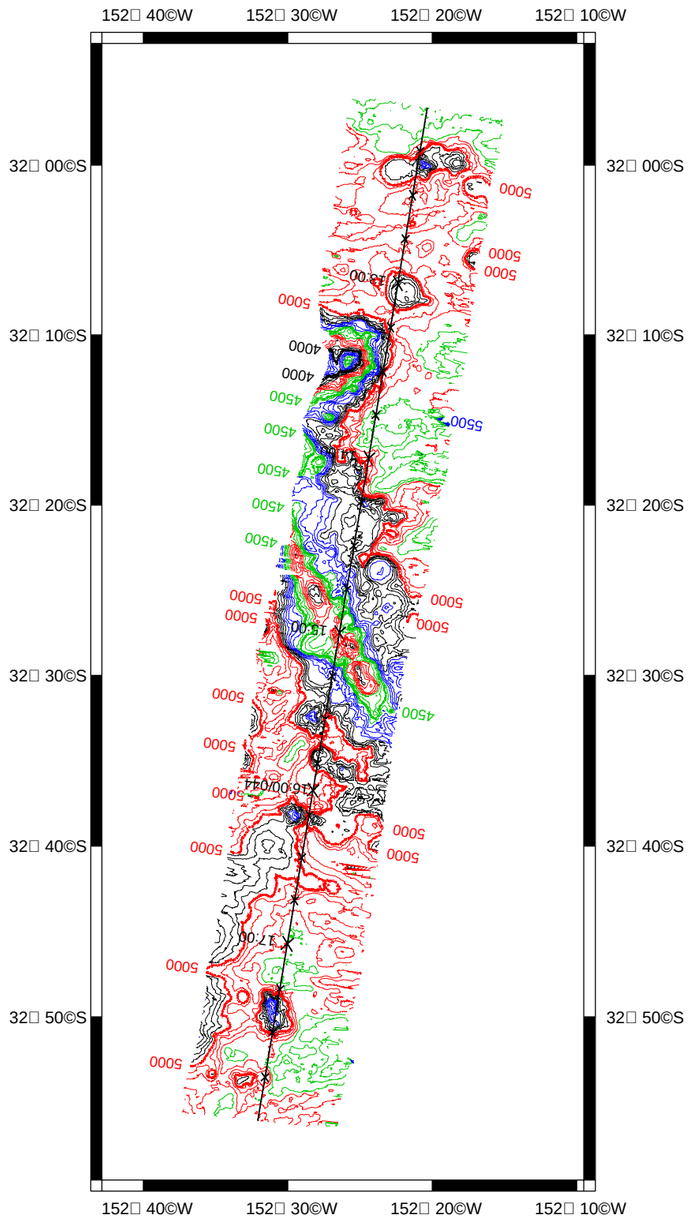

12 kHz Depth
meters
4500
5000
5500
6000
152:12:2.472 W
152:15:33.33 W
x 10^4
Total Magnetic Field
nT
4.45
4.4
4.35
4.3
File=9600
File=10319

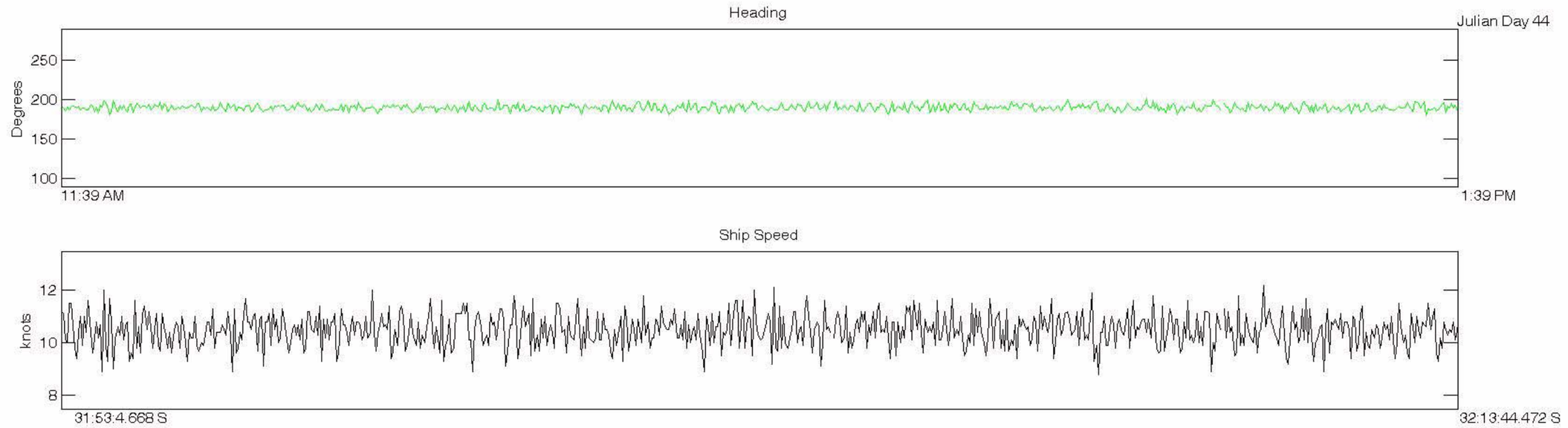

HOUR
8.5
8
7.5
N
S
JD
MINUTE
44
39 44 49 54 59 4 9 14 19 24 29 34 39 44 49 54 59 4 9 14 19 24 29 34
6 km
TUIM 3 Seismic
JD 44
Time (ms)
6350 6400 6450 6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300
Two way travel time (ms)

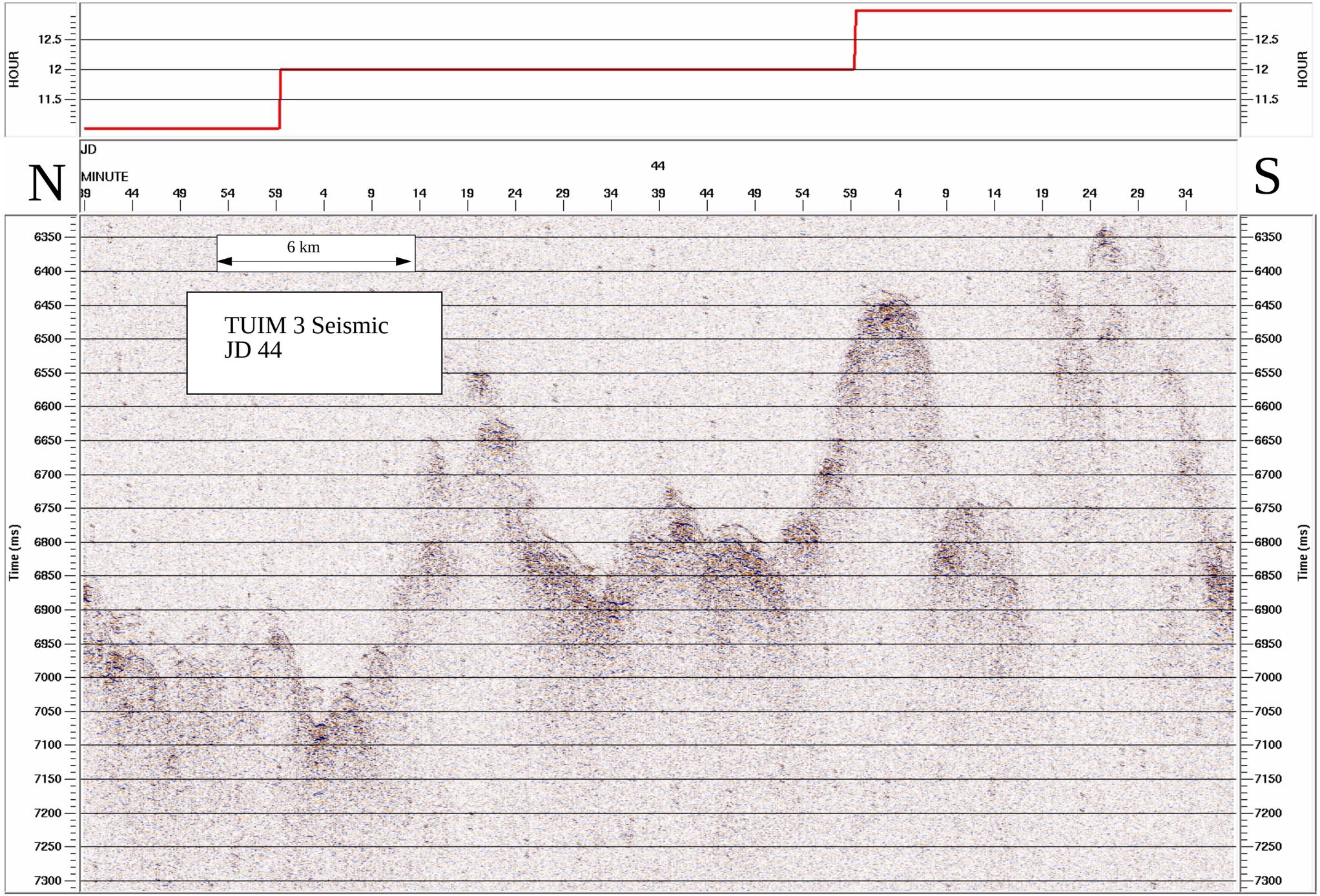

Heading
Julian Day 44
Degrees
250
200
150
100
9:39 AM
11:39 AM
Ship Speed
knots
12
10
8
31:32:12.084 S
31:53:2.904 S
12 kHz Depth
meters
4500
5000
5500
6000
152:15:33.672 W
152:19:38.706 W
x 10^4
Total Magnetic Field
nT
4.45
4.4
4.35
4.3
File=10320
File=11039


HOUR
10.5
10
9.5
N
S
JD
MINUTE
44
39 44 49 54 59 4 9 14 19 24 29 34 39 44 49 54 59 4 9 14 19 24 29 34
6 km
TUIM 3 Seismic
JD 44
Time (ms)
6350 6400 6450 6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300
Two way travel time (ms)

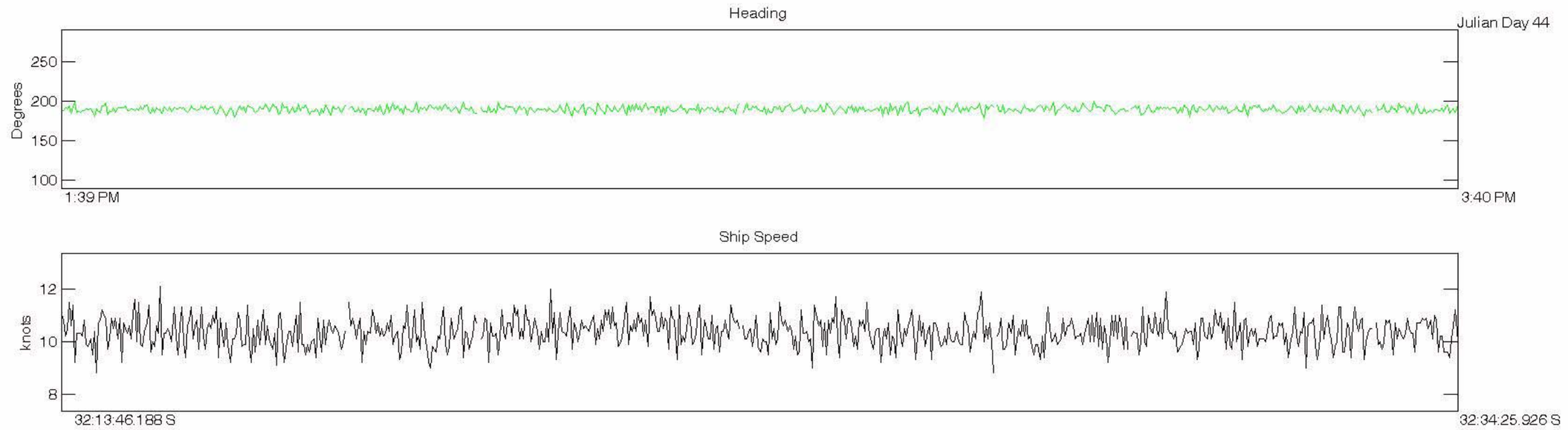
Data File SBfixavg.2005feb13.1200-1800

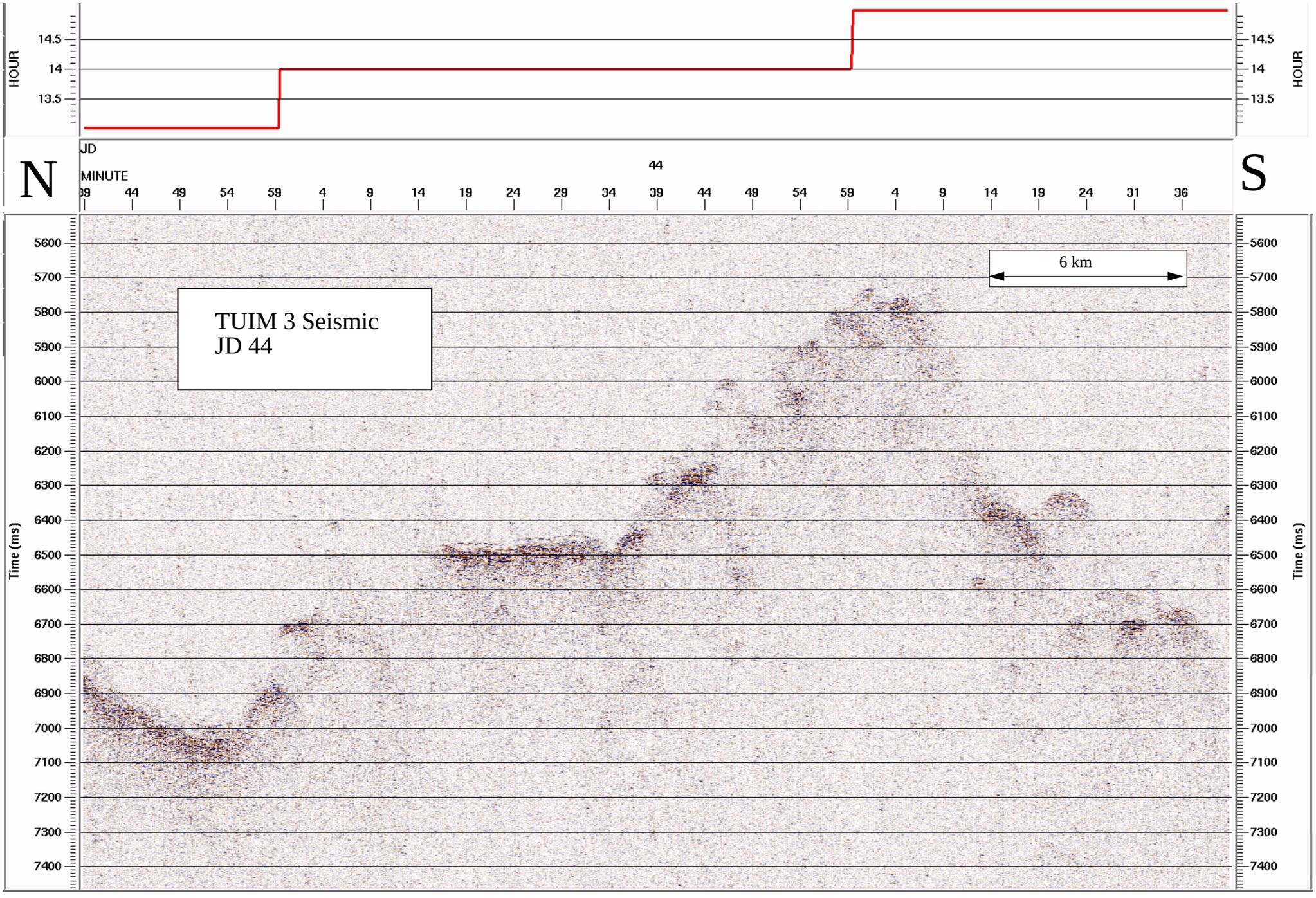



Heading
Julian Day 44
Degrees
250
200
150
100
11:39 AM
1:39 PM
Ship Speed
knots
12
10
8
31:53:4.668 S
32:13:44.472 S
12 kHz Depth
meters
4500
5000
5500
6000
152:19:39.018 W
152:23:42.552 W
x 10^4
Total Magnetic Field
nT
4.45
4.4
4.35
4.3
File=11040
File=11759

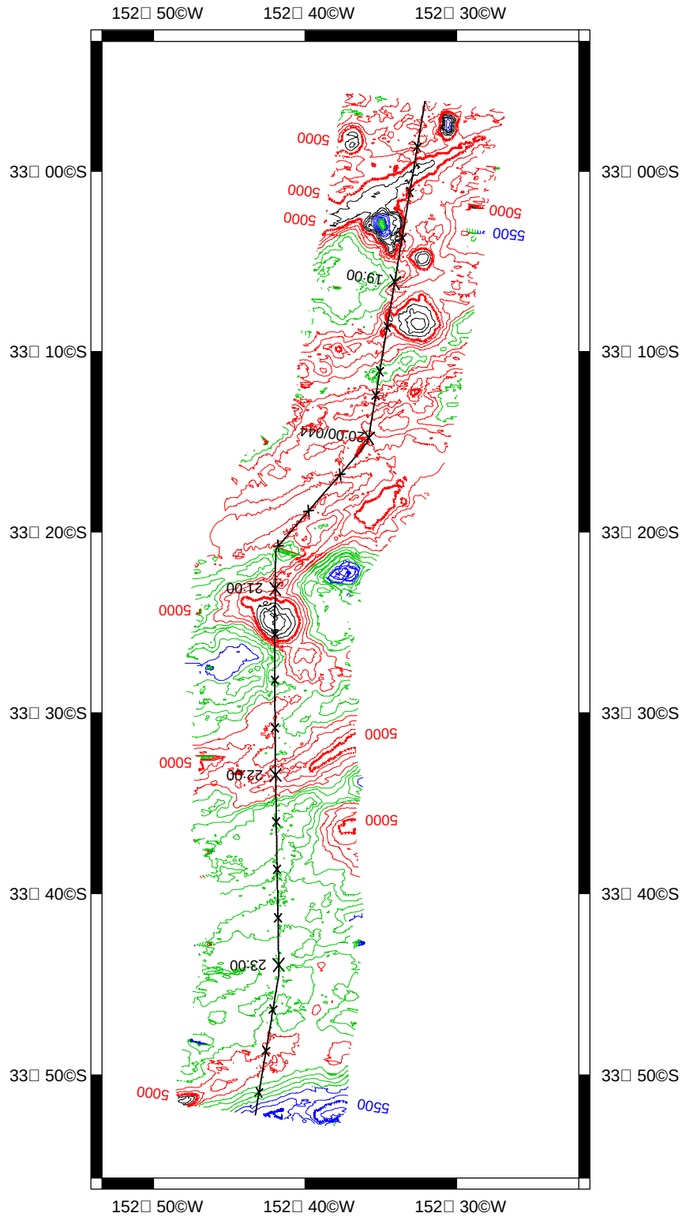


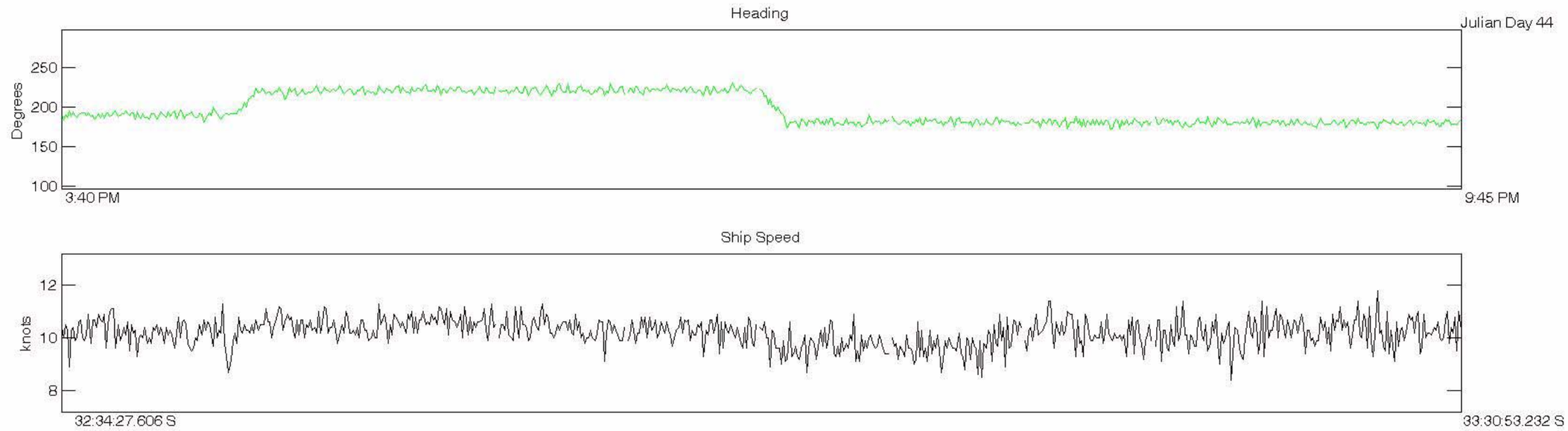
Two way travel time (ms)

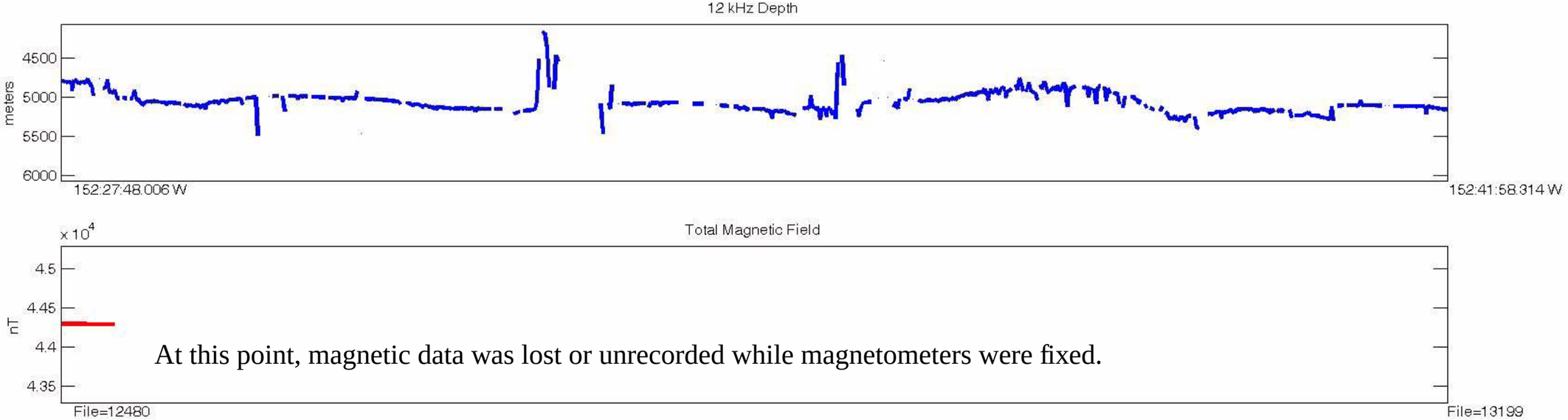

Heading
Julian Day 44
Degrees
250
200
150
100
1:39 PM
3:40 PM
Ship Speed
knots
12
10
8
32:13:46.188 S
32:34:25.926 S
12 kHz Depth
meters
4000
4500
5000
5500
152:23:42.87 W
152:27:47.622 W
x 10^4
Total Magnetic Field
nT
4.5
4.45
4.4
4.35
File=11760
File=12479


HOUR
14.5
14
13.5
N
S
JD
MINUTE
44
39 44 49 54 59 4 9 14 19 24 29 34 39 44 49 54 59 4 9 14 19 24 31 36
6 km
TUIM 3 Seismic
JD 44
Time (ms)
5600
5700
5800
5900
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
Two way travel time (ms)

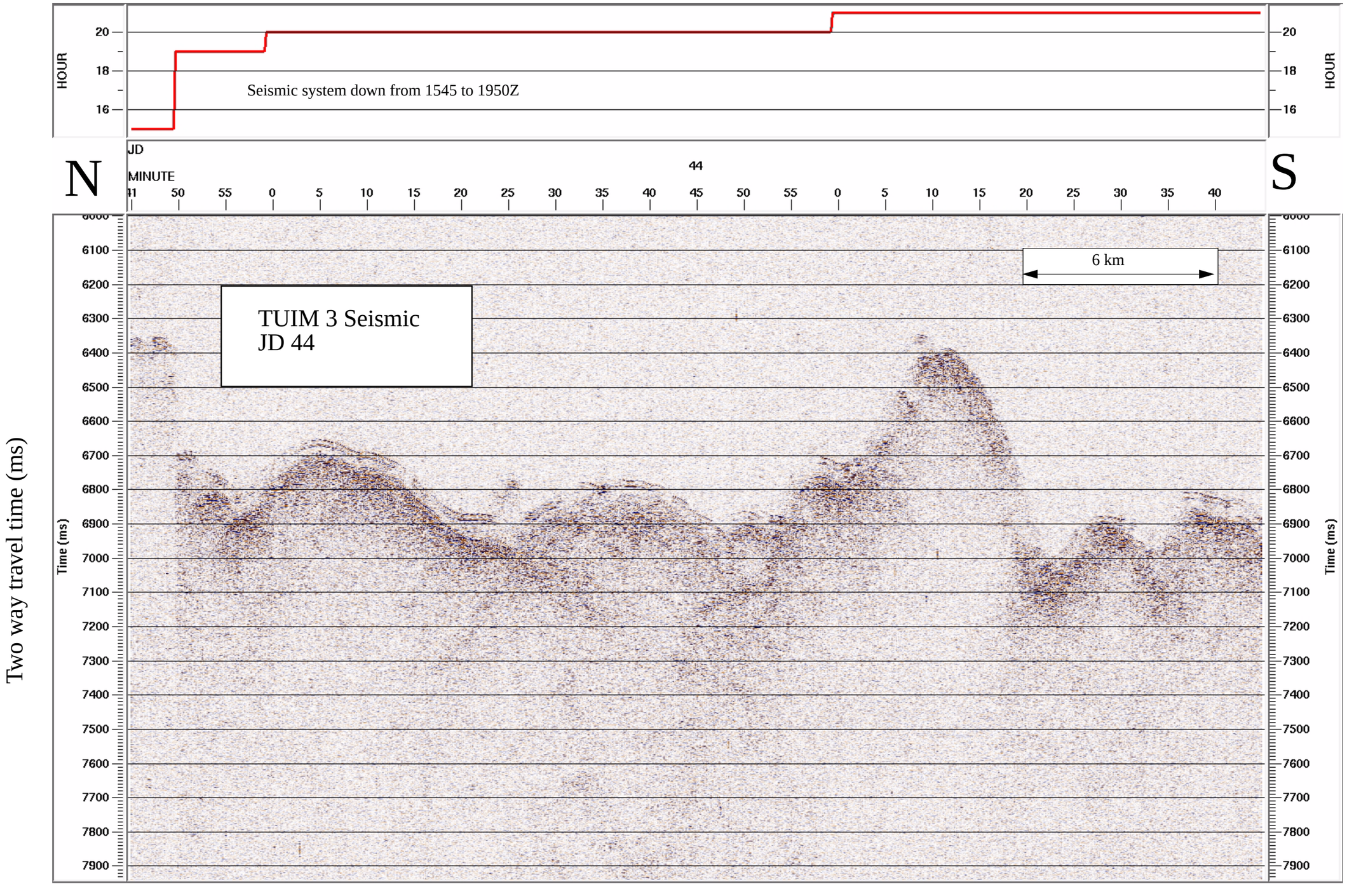
Data File SBfixavg.2005feb13.1800-2400

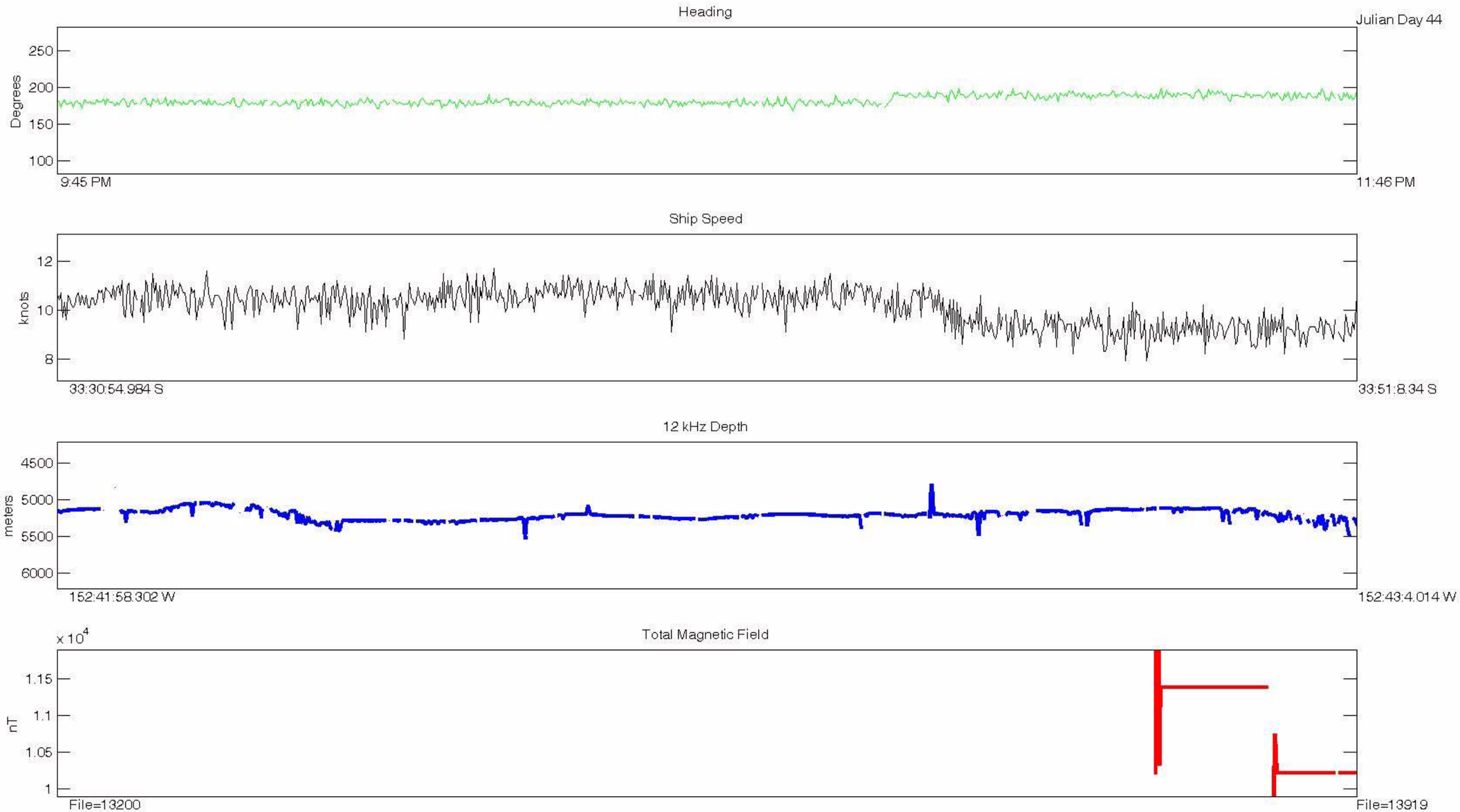


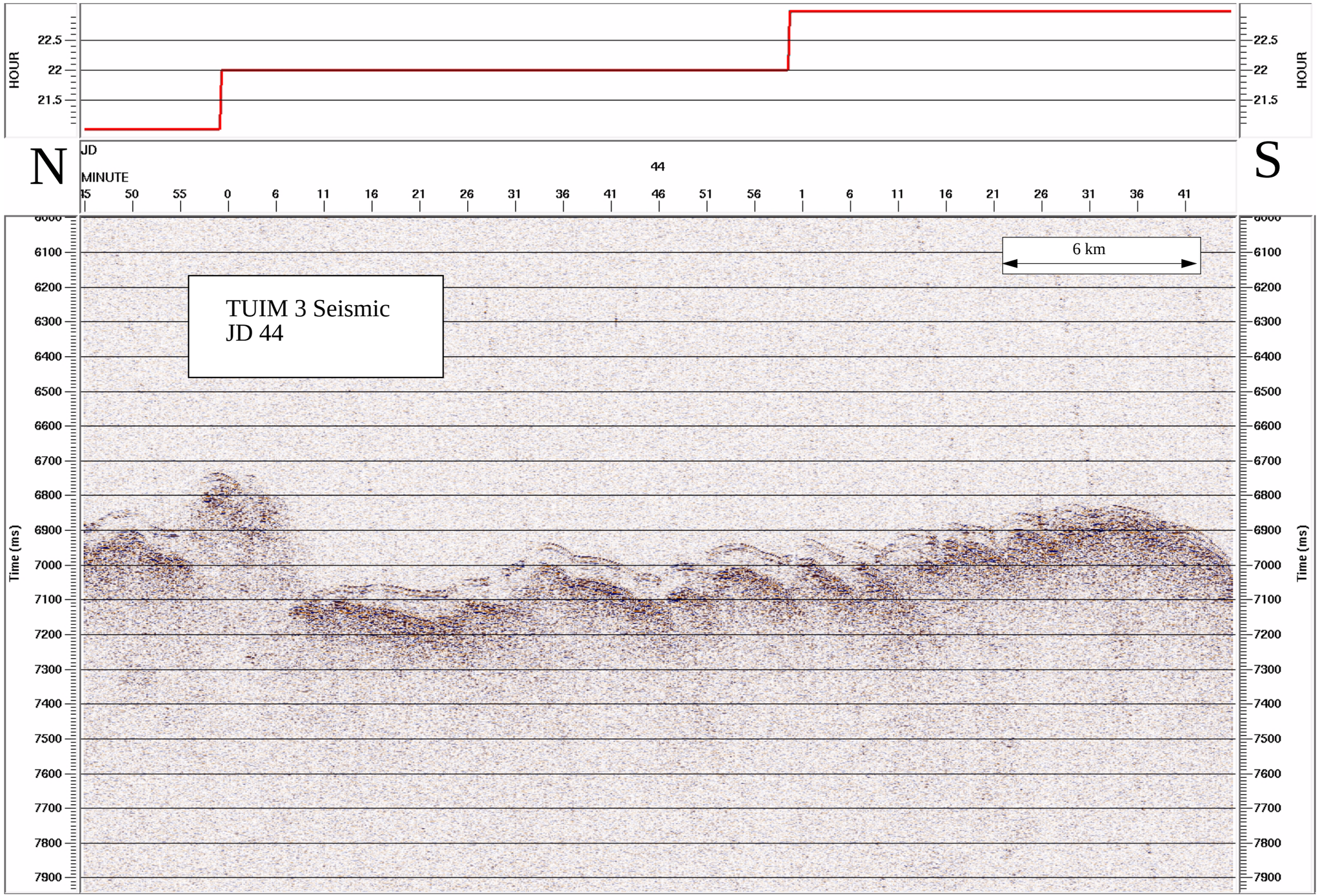


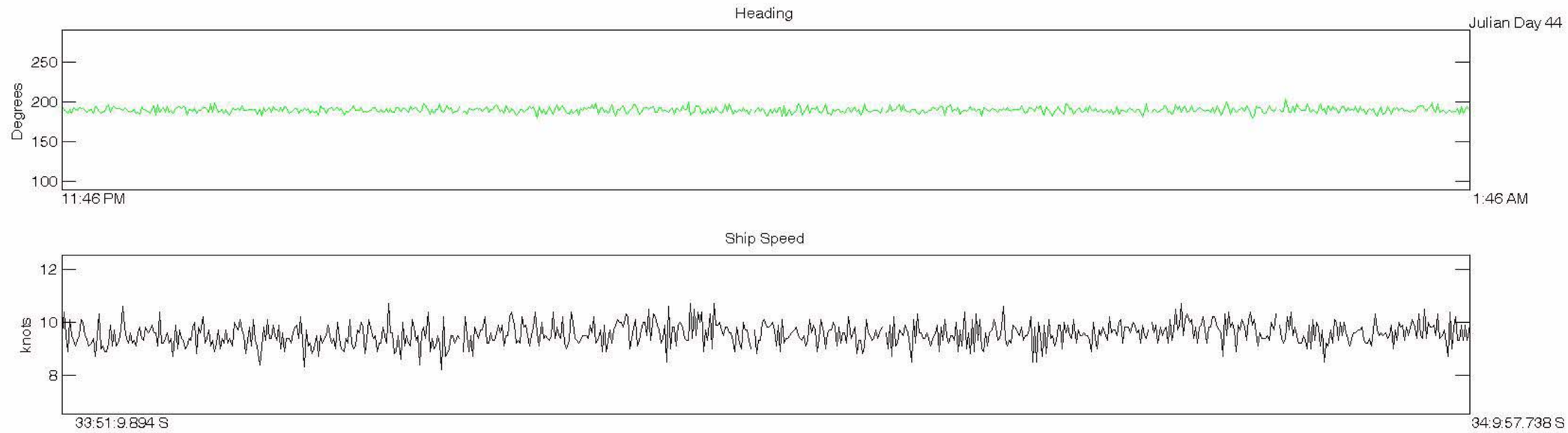


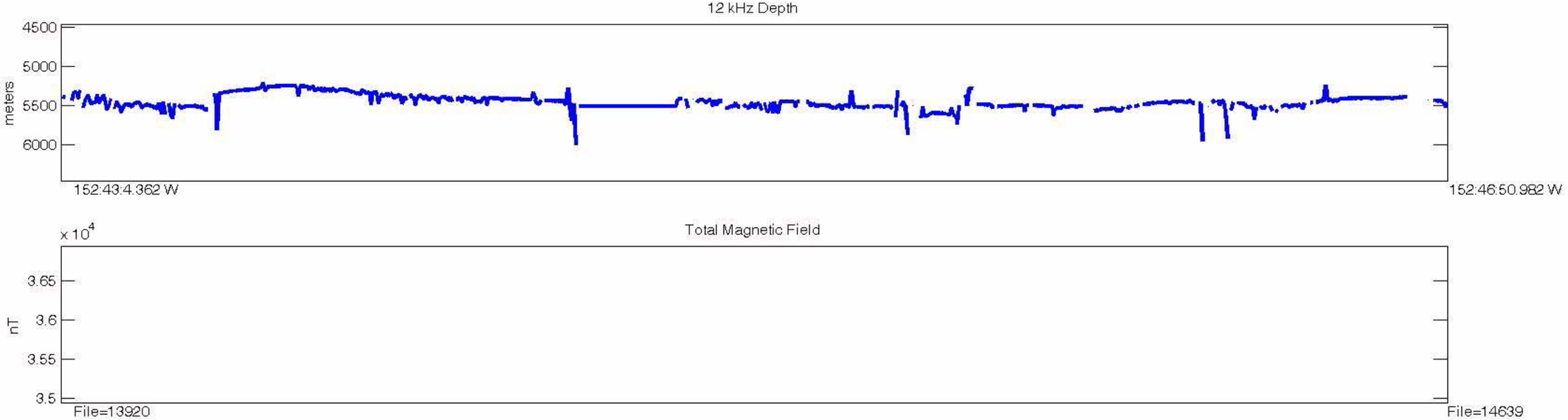
At this point, magnetic data was lost or unrecorded while magnetometers were fixed.

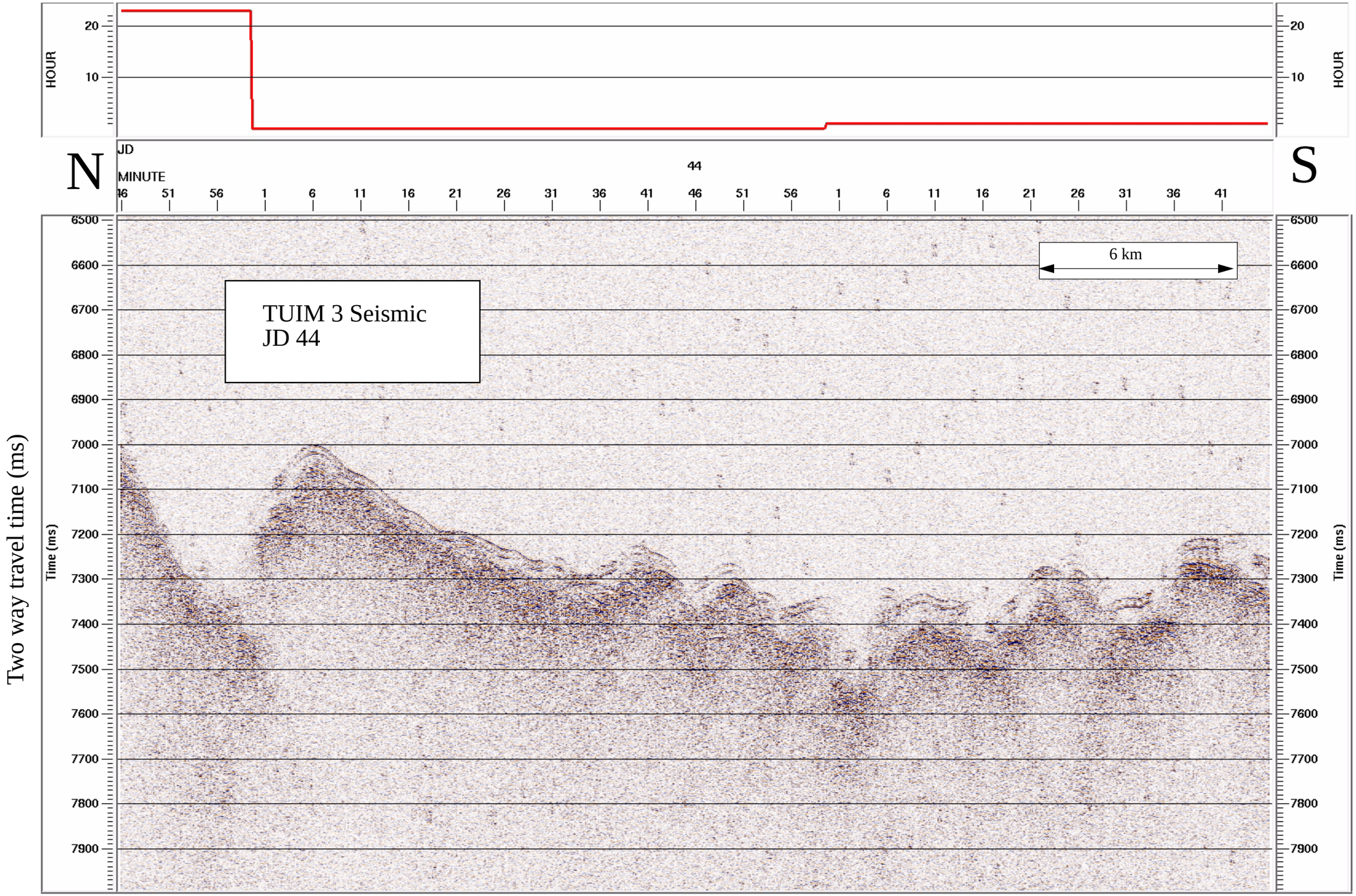

HOUR
20
18
16
Seismic system down from 1545 to 1950Z
JD
44
MINUTE
41 50 55 0 5 10 15 20 25 30 35 40 45 50 55 0 5 10 15 20 25 30 35 40
N
S
6 km
TUIM 3 Seismic
JD 44
Time (ms)
6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900
Two way travel time (ms)


Heading
Julian Day 44
Degrees
250
200
150
100
9:45 PM
11:46 PM
Ship Speed
knots
12
10
8
33:30:54.984 S
33:51:8.34 S
12 kHz Depth
meters
4500
5000
5500
6000
152:41:58.302 W
152:43:4.014 W
x 10^4
Total Magnetic Field
nT
1.15
1.1
1.05
1
File=13200
File=13919


HOUR
22.5
22
21.5
N
S
JD
MINUTE
44
15 50 55 0 6 11 16 21 26 31 36 41 46 51 56 1 6 11 16 21 26 31 36 41
6 km
TUIM 3 Seismic
JD 44
Time (ms)
6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900
Two way travel time (ms)


Heading
Julian Day 44
Degrees
250
200
150
100
11:46 PM
1:46 AM
Ship Speed
knots
12
10
8
33:51:9.894 S
34:9:57.738 S

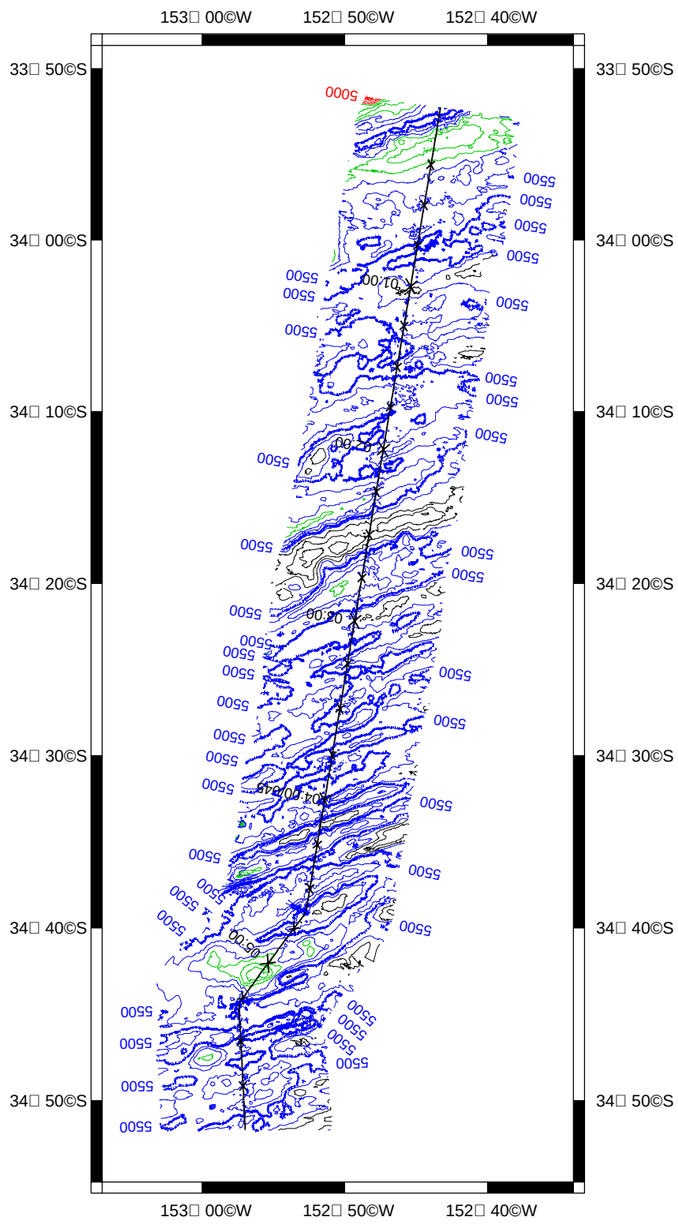

12 kHz Depth
meters
4500
5000
5500
6000
152:43:4.362 W
152:46:50.982 W
x 10^4
Total Magnetic Field
nT
3.65
3.6
3.55
3.5
File=13920
File=14639

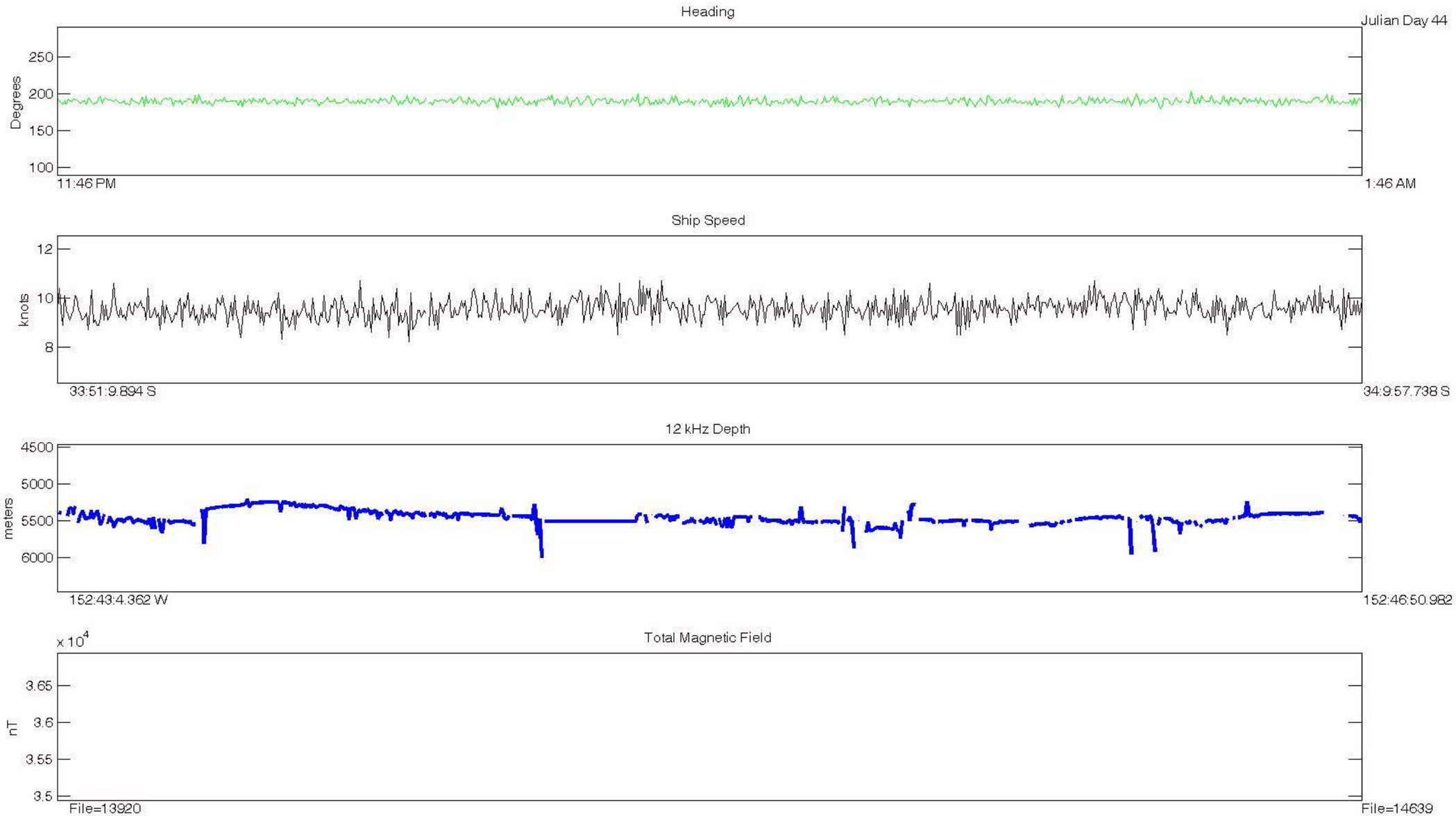


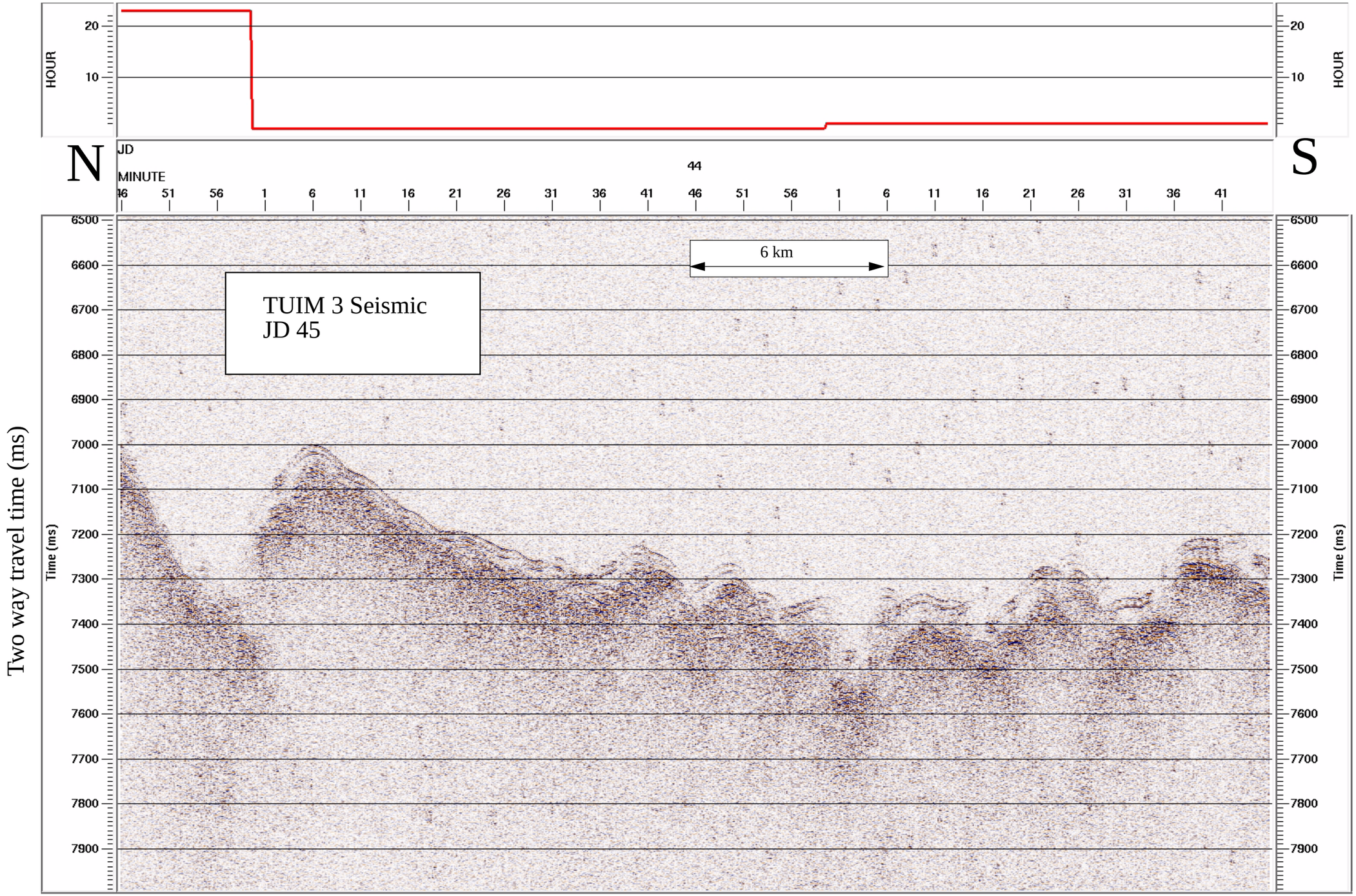
Two way travel time (ms)

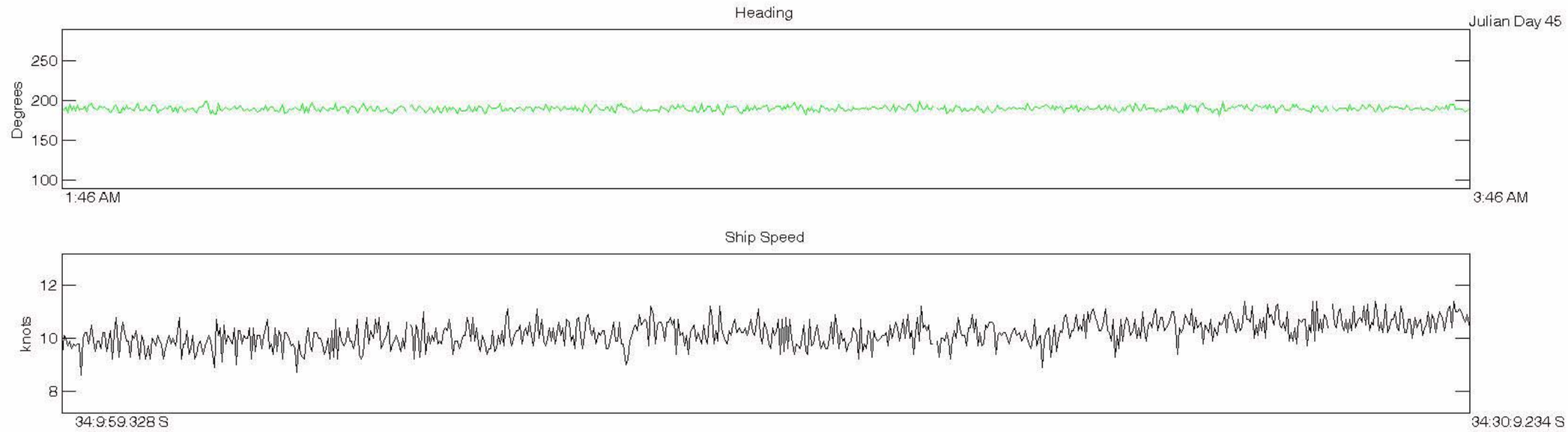
Julian Day 45
14 February 2005
150 c.i GI gun Source,
4-channel SIO streamer

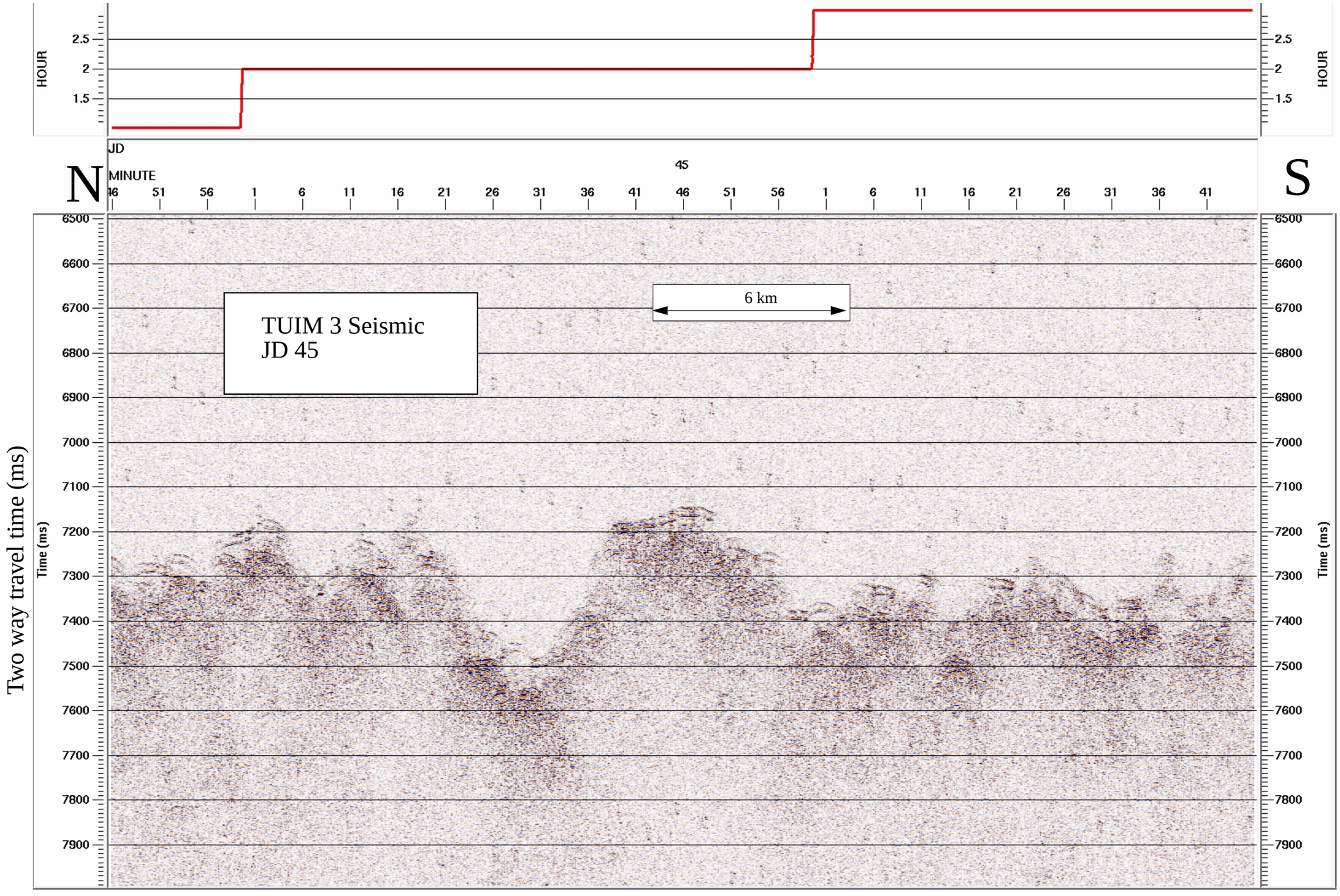
Data File SBfixavg.2005feb14.0000-0600

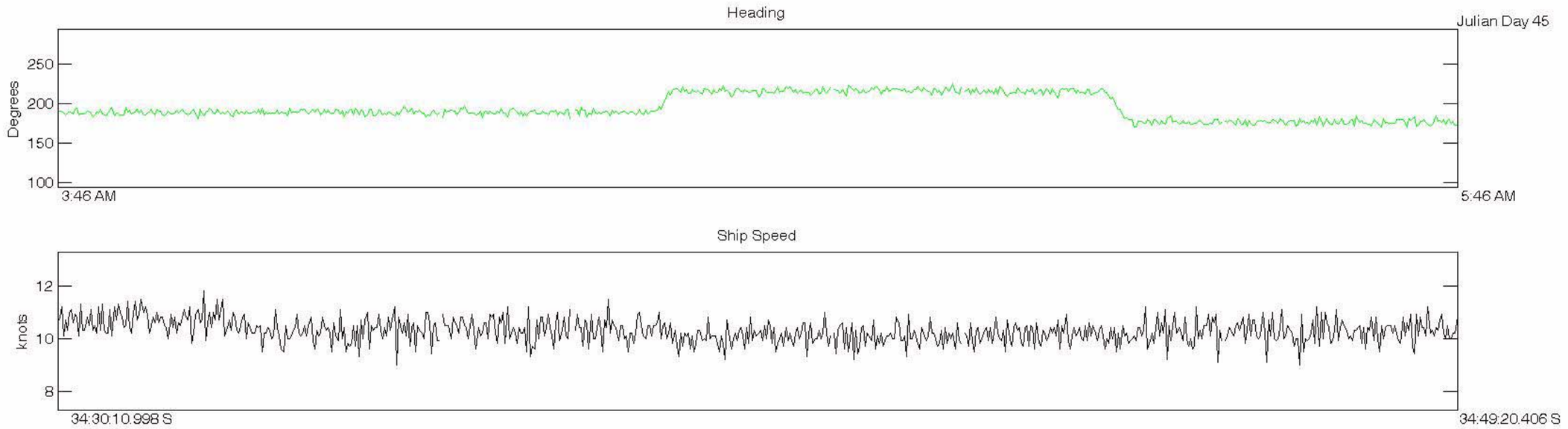


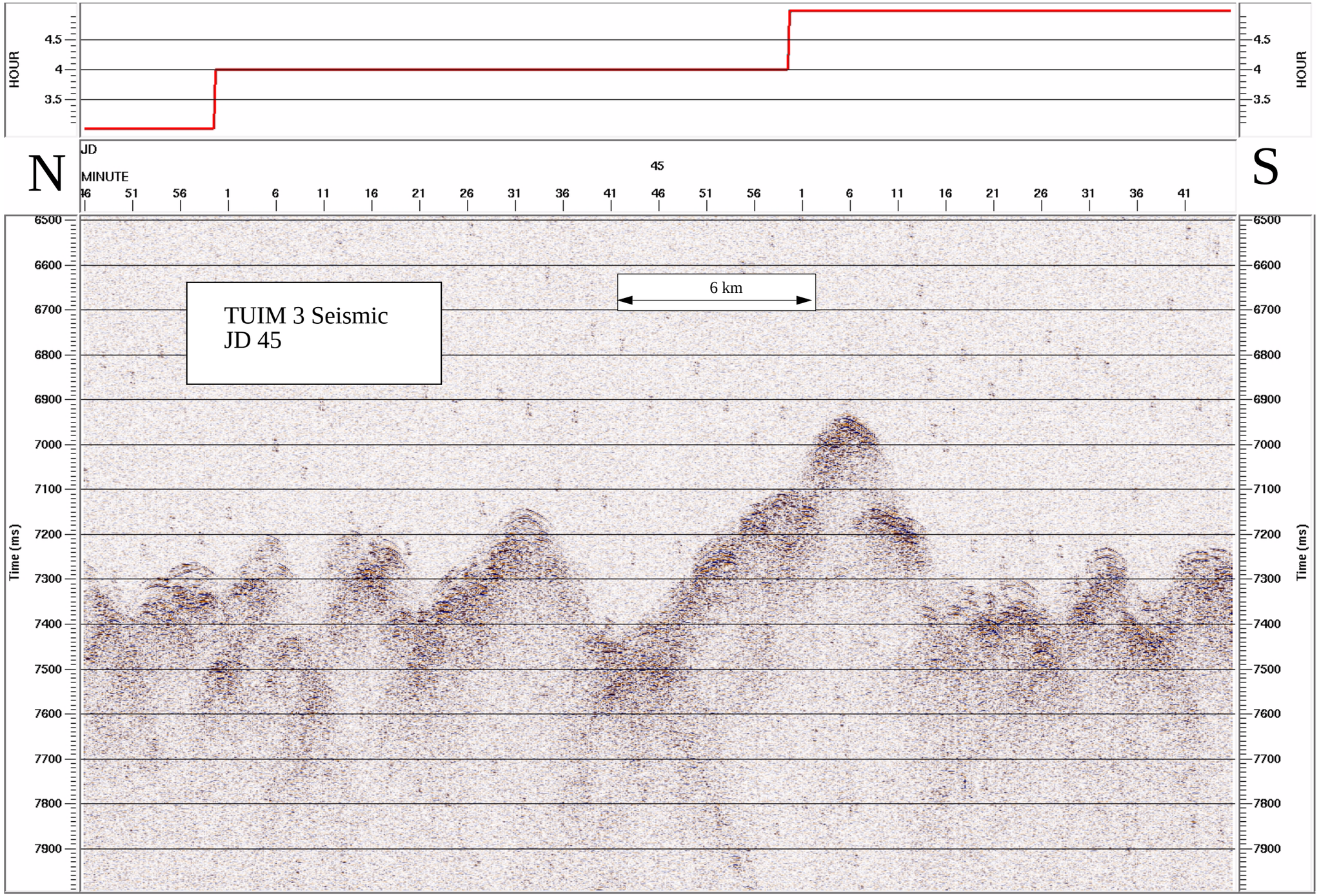

Heading
Julian Day 44
Degrees
250
200
150
100
11:46 PM
1:46 AM
Ship Speed
knots
12
10
8
33:51:9.894 S
34:9:57.738 S
12 kHz Depth
meters
4500
5000
5500
6000
152:43:4.362 W
152:46:50.982 W
Total Magnetic Field
x 10^4
nT
3.65
3.6
3.55
3.5
File=13920
File=14639


HOUR
20
10
N
S
JD
MINUTE
44
46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6 11 16 21 26 31 36 41
6 km
TUIM 3 Seismic
JD 45
Time (ms)
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
7800
7900
Two way travel time (ms)

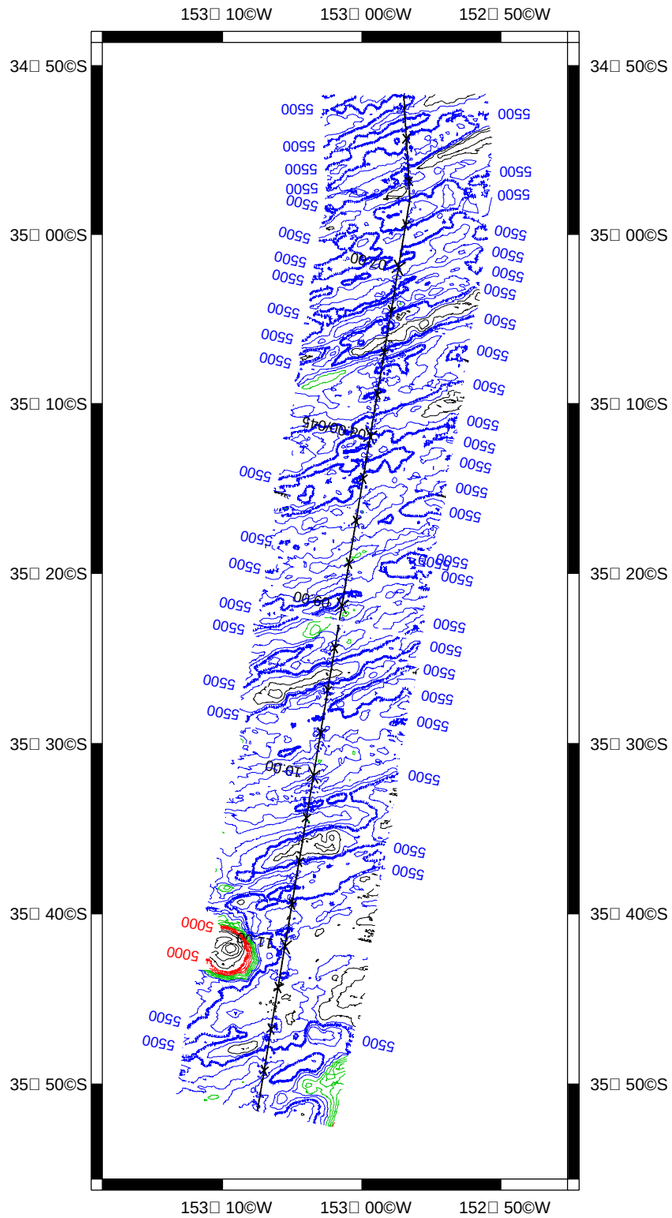

Heading
Julian Day 45
Degrees
250
200
150
100
1:46 AM
3:46 AM
Ship Speed
knots
12
10
8
34:9:59.328 S
34:30:9.234 S
12 kHz Depth
meters
4500
5000
5500
6000
152:46:51.282 W
152:50:55.194 W
x 10^4
Total Magnetic Field
nT
4.6
4.55
4.5
4.45
File=14640
File=15359

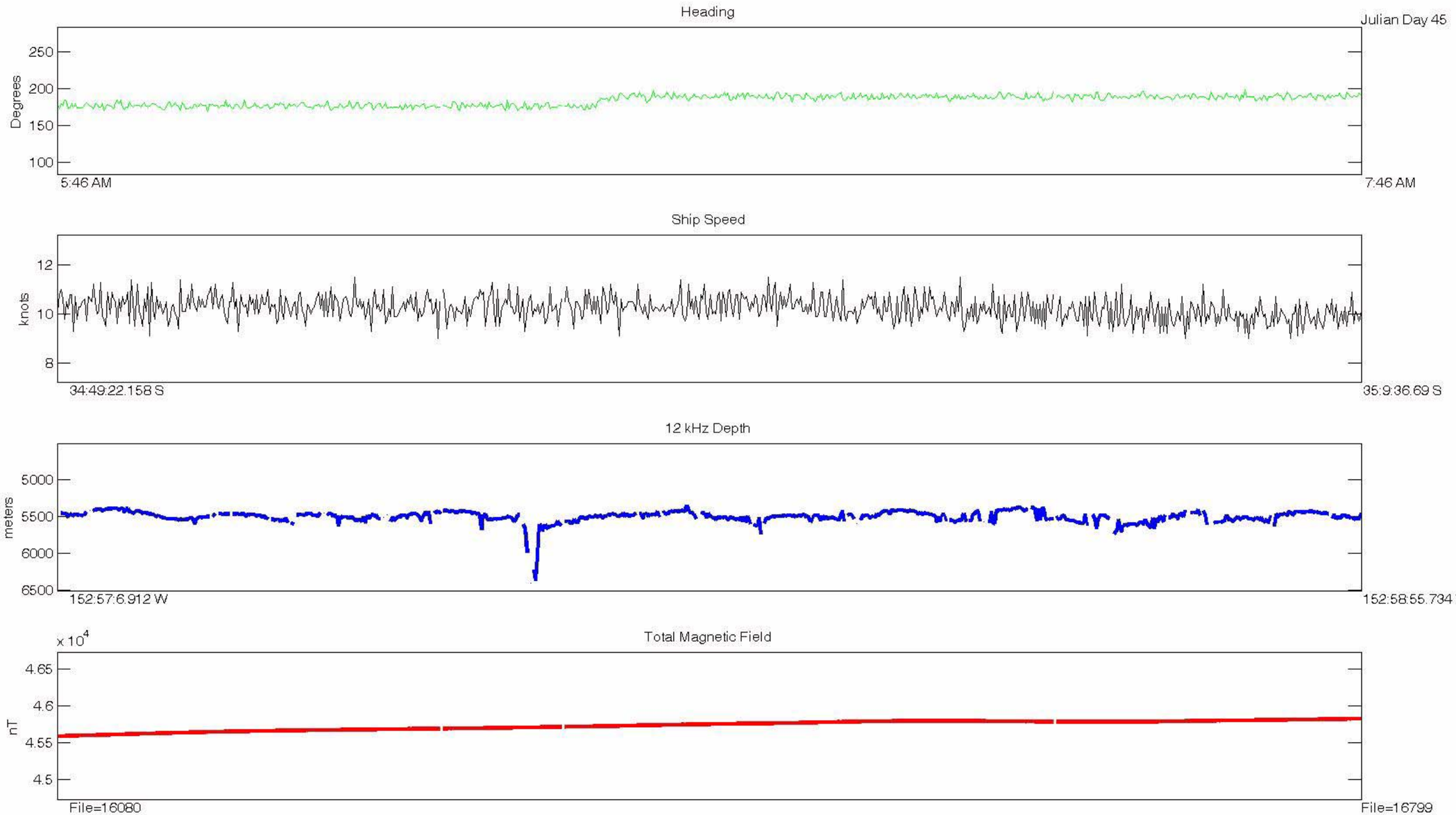

HOUR
2.5
2
1.5
JD
MINUTE
45
N
S
46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6 11 16 21 26 31 36 41
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
7800
7900
TUIM 3 Seismic
JD 45
6 km
Time (ms)
Two way travel time (ms)

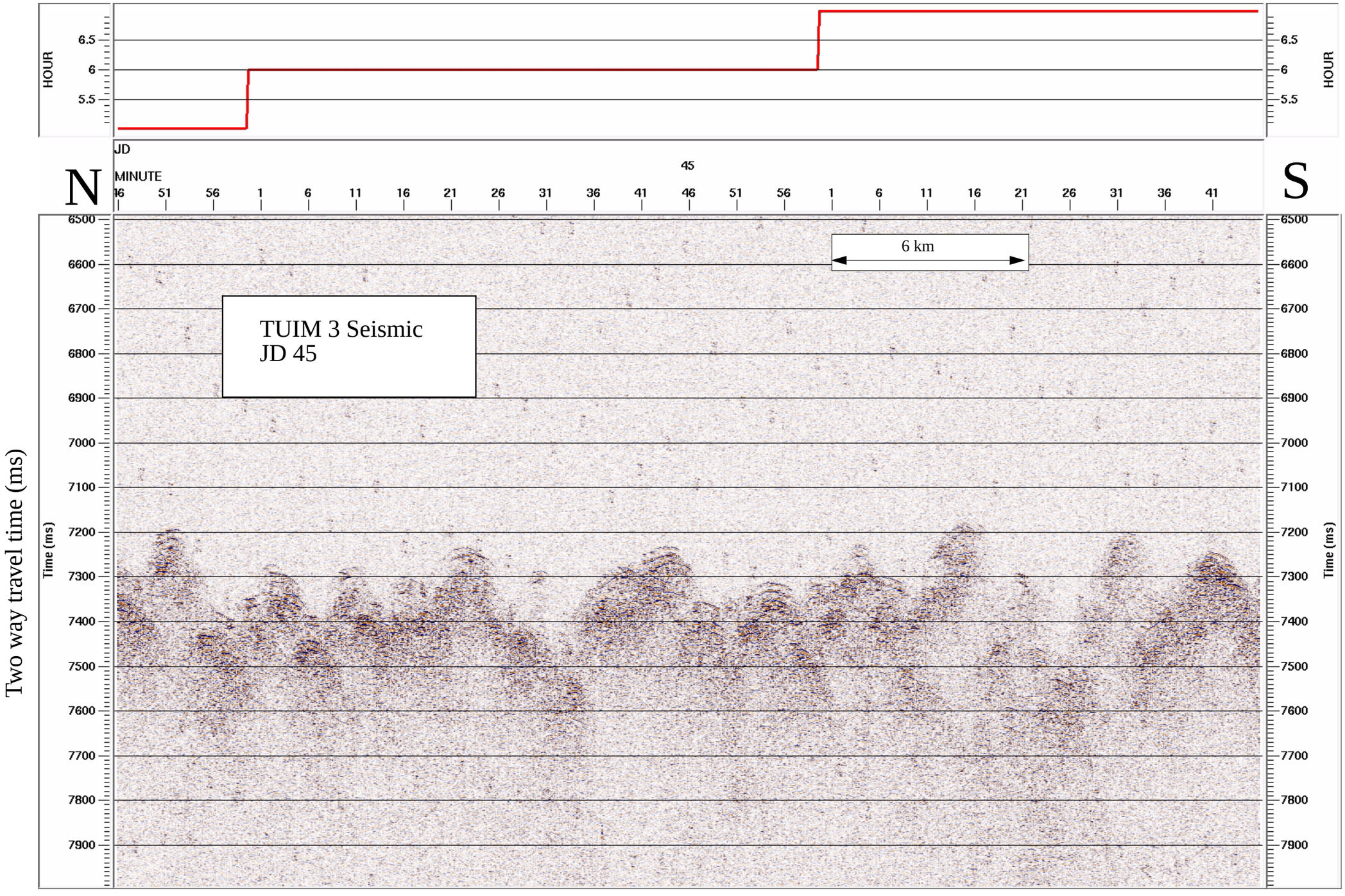

Heading
Julian Day 45
Degrees
250
200
150
100
3:46 AM
5:46 AM
Ship Speed
knots
12
10
8
34:30:10.998 S
34:49:20.406 S
12 kHz Depth
meters
4500
5000
5500
6000
152:50:55.548 W
152:57:7.032 W
x 10^4
Total Magnetic Field
nT
4.6
4.55
4.5
4.45
File=15360
File=16079

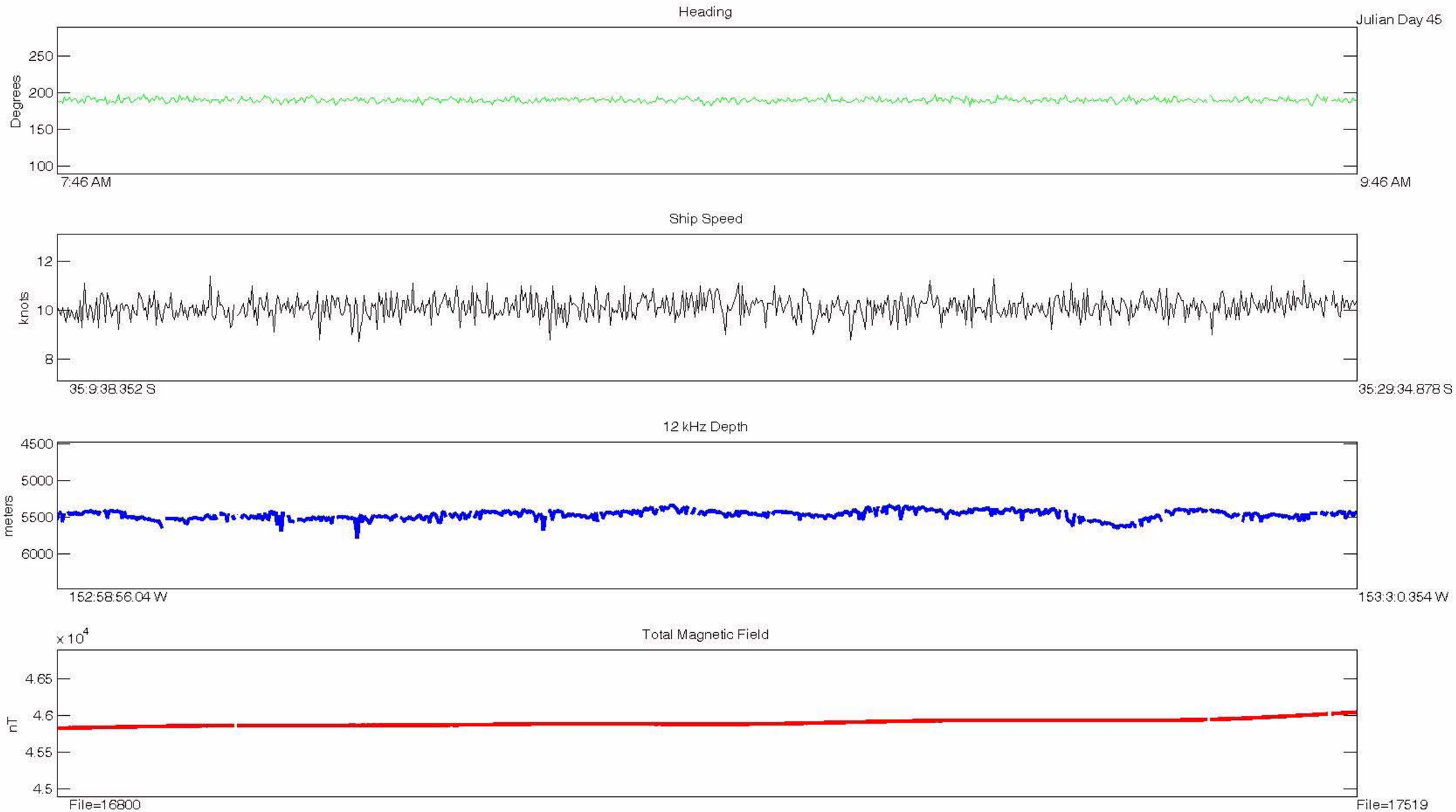

HOUR
4.5
4
3.5
N
S
JD
MINUTE
45
46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6 11 16 21 26 31 36 41
6 km
TUIM 3 Seismic
JD 45
Time (ms)
6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900
Two way travel time (ms)

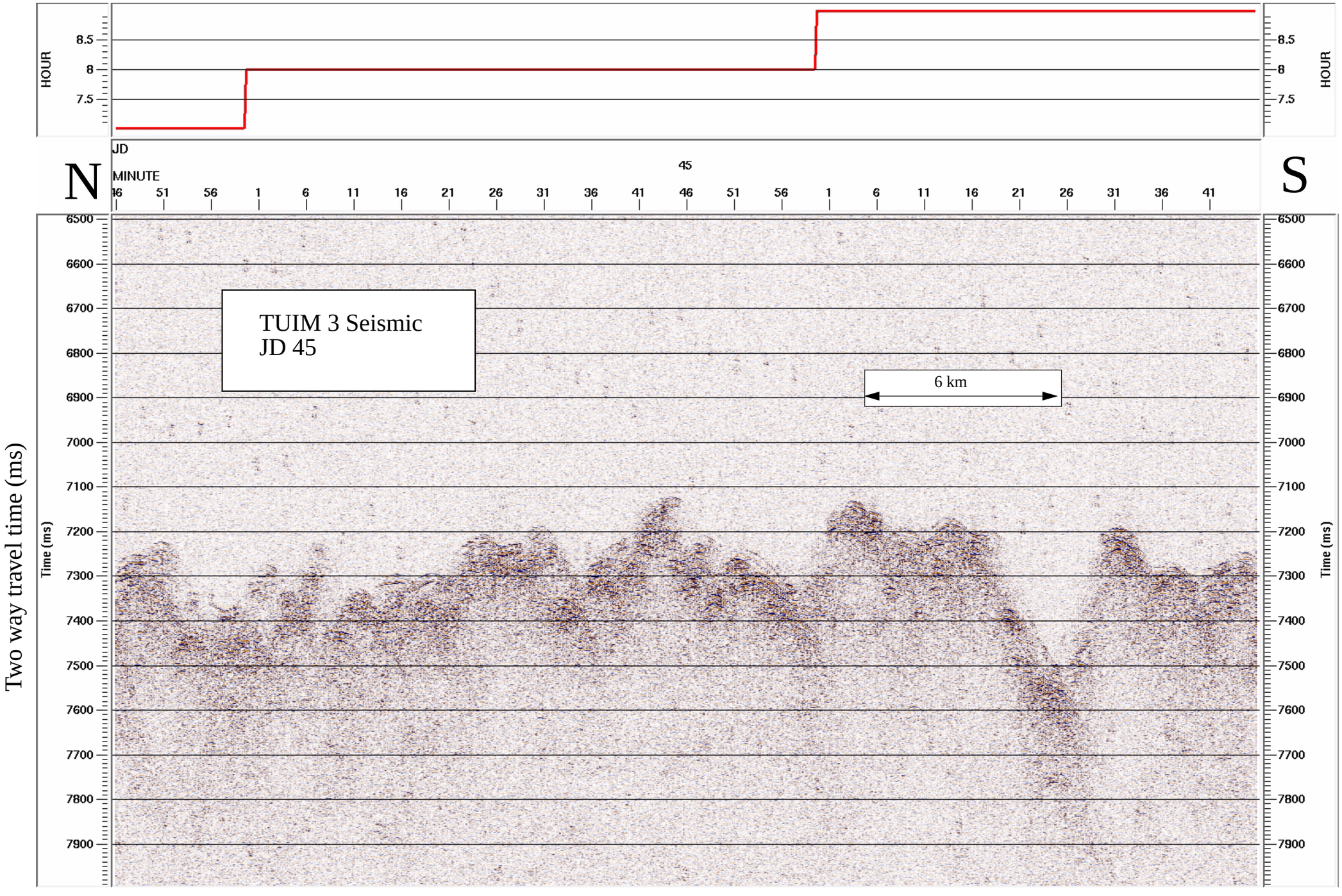
Data File SBfixavg.2005feb14.0600-1200

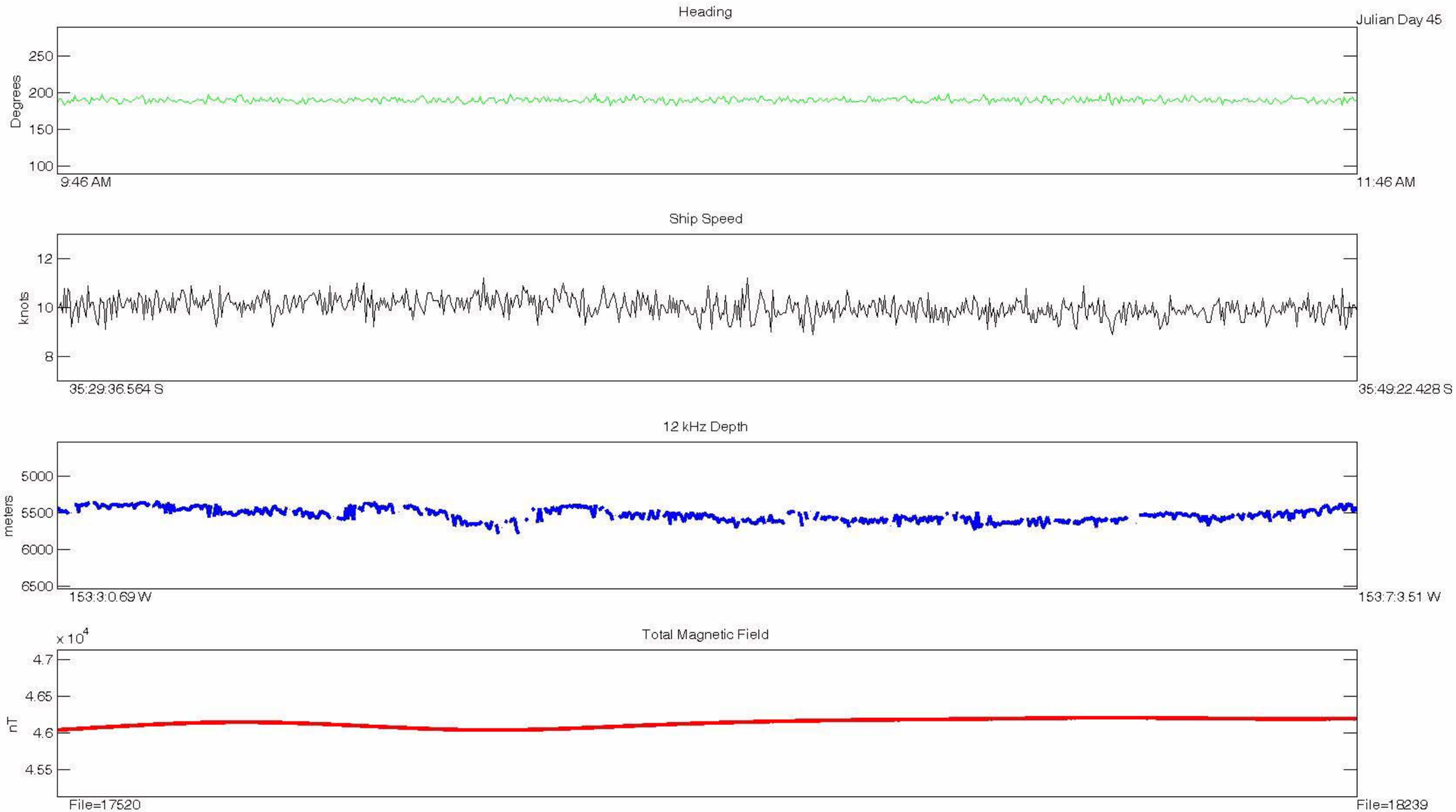


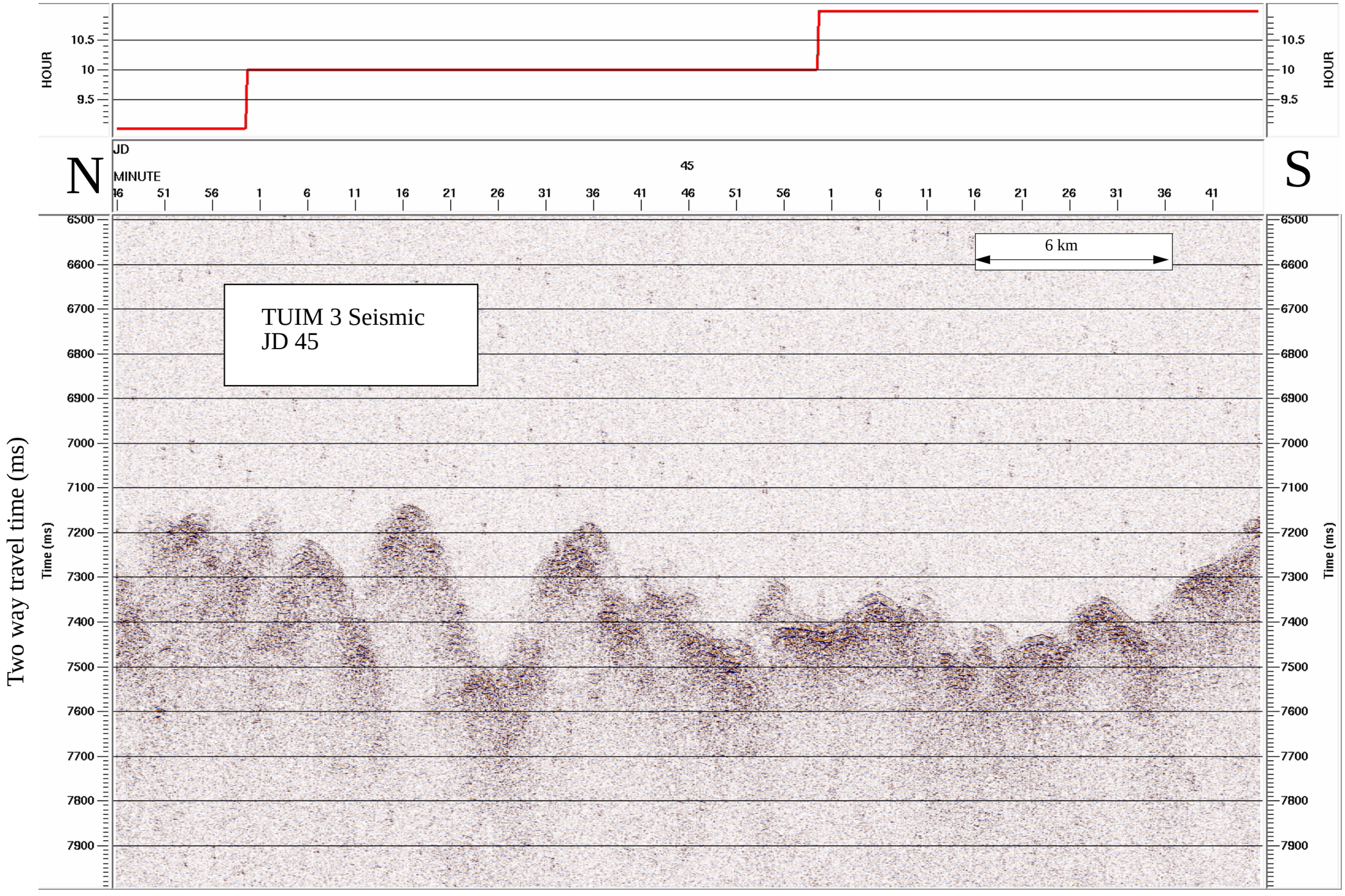

Heading
Julian Day 45
Degrees
250
200
150
100
5:46 AM
7:46 AM
Ship Speed
knots
12
10
8
34:49:22.158 S
35:9:36.69 S
12 kHz Depth
meters
5000
5500
6000
6500
152:57:6.912 W
152:58:55.734 W
Total Magnetic Field
x 10^4
nT
4.65
4.6
4.55
4.5
File=16080
File=16799


HOUR
6.5
6
5.5
JD
MINUTE
45
46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6 11 16 21 26 31 36 41
N
S
6 km
TUIM 3 Seismic
JD 45
Time (ms)
6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900
Two way travel time (ms)

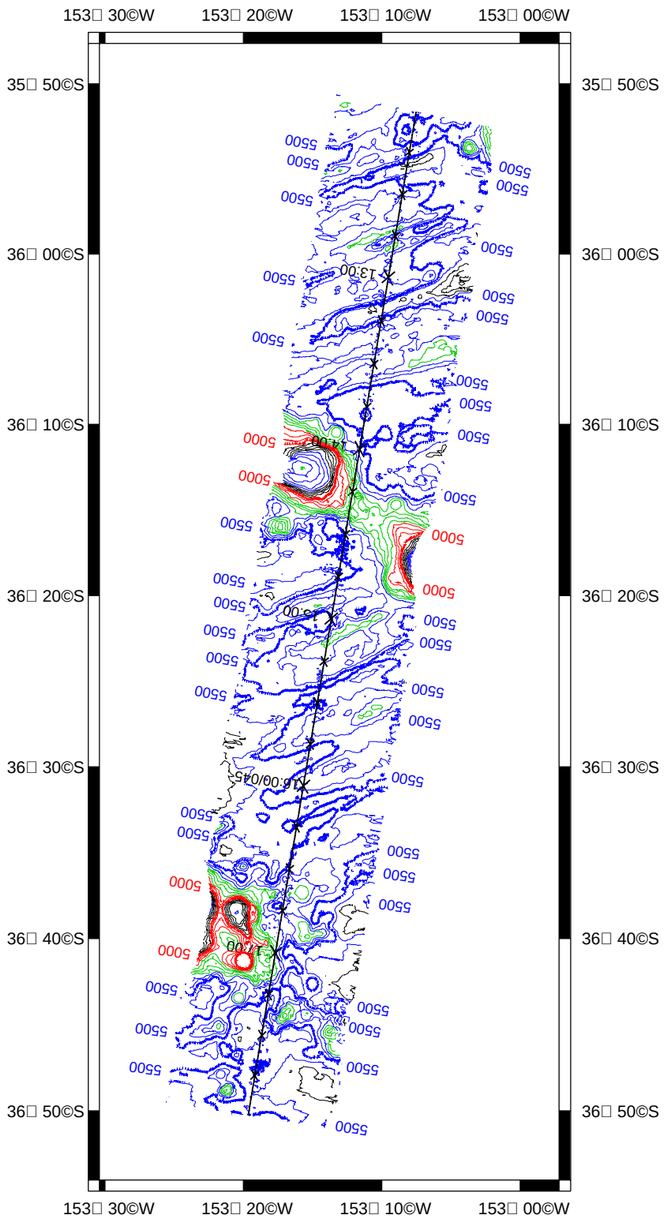

Heading
Julian Day 45
Degrees
250
200
150
100
7:46 AM
9:46 AM
Ship Speed
knots
12
10
8
35:9:38.352 S
35:29:34.878 S
12 kHz Depth
meters
4500
5000
5500
6000
152:58:56.04 W
153:3:0.354 W
Total Magnetic Field
x 10^4
nT
4.65
4.6
4.55
4.5
File=16800
File=17519

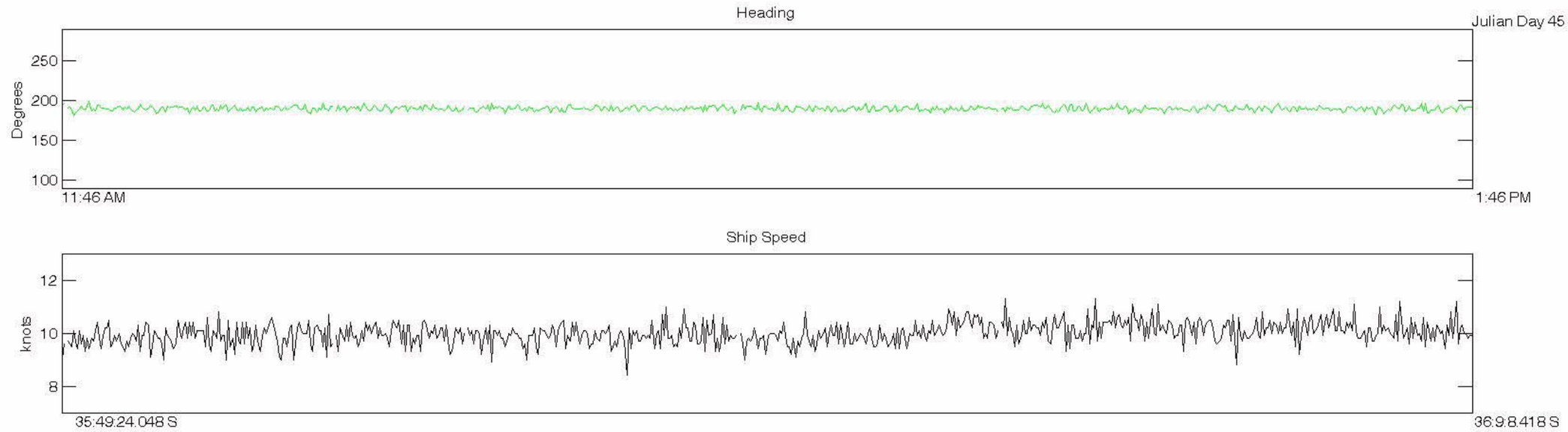

HOUR
8.5
8
7.5
N
S
JD
MINUTE
45
46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6 11 16 21 26 31 36 41
TUIM 3 Seismic
JD 45
6 km
Two way travel time (ms)
Time (ms)
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
7800
7900

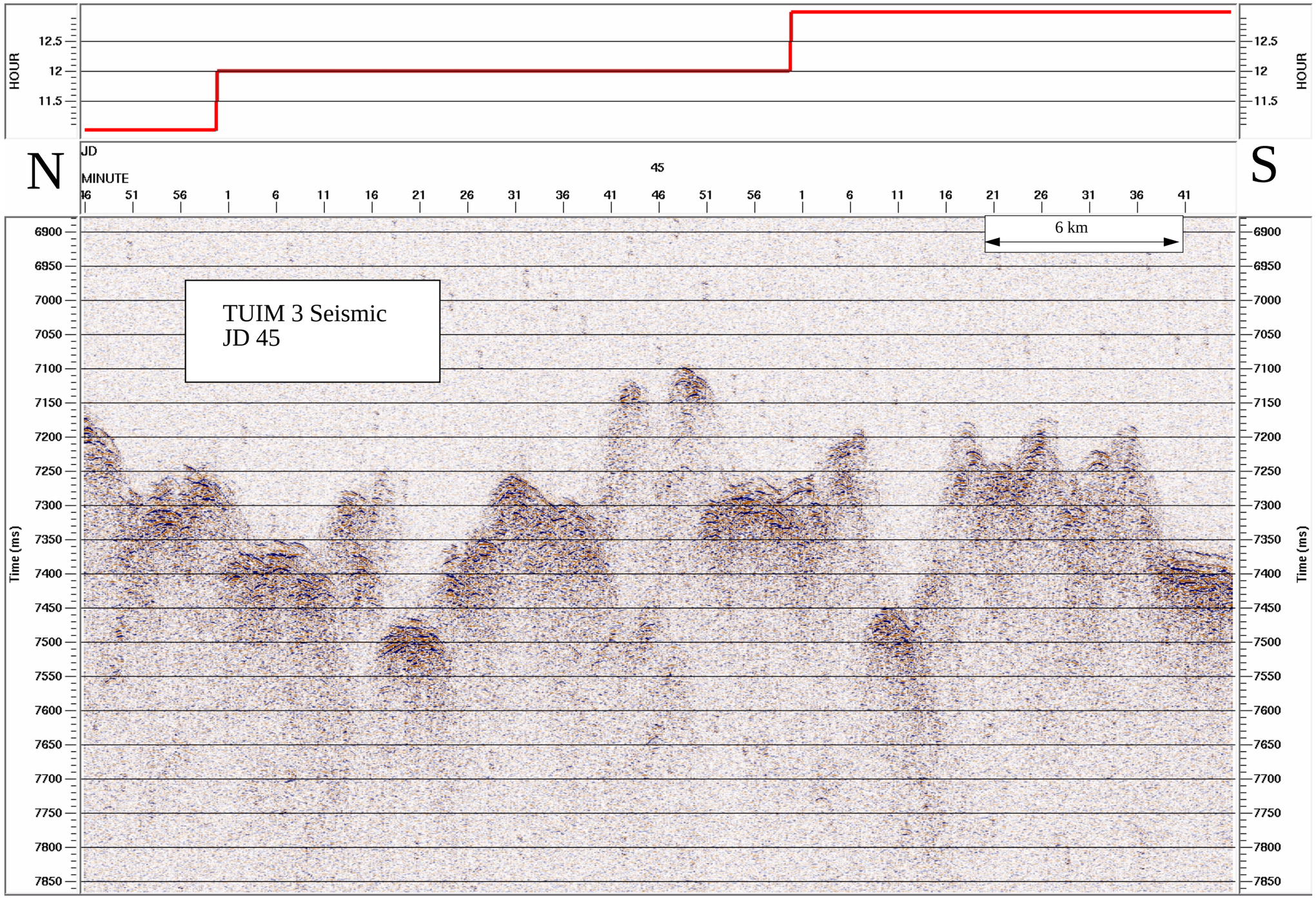

Heading
Julian Day 45
Degrees
250
200
150
100
9:46 AM
11:46 AM
Ship Speed
knots
12
10
8
35:29:36.564 S
35:49:22.428 S
12 kHz Depth
meters
5000
5500
6000
6500
153:3:0.69 W
153:7:3.51 W
x 10^4
Total Magnetic Field
nT
4.7
4.65
4.6
4.55
File=17520
File=18239

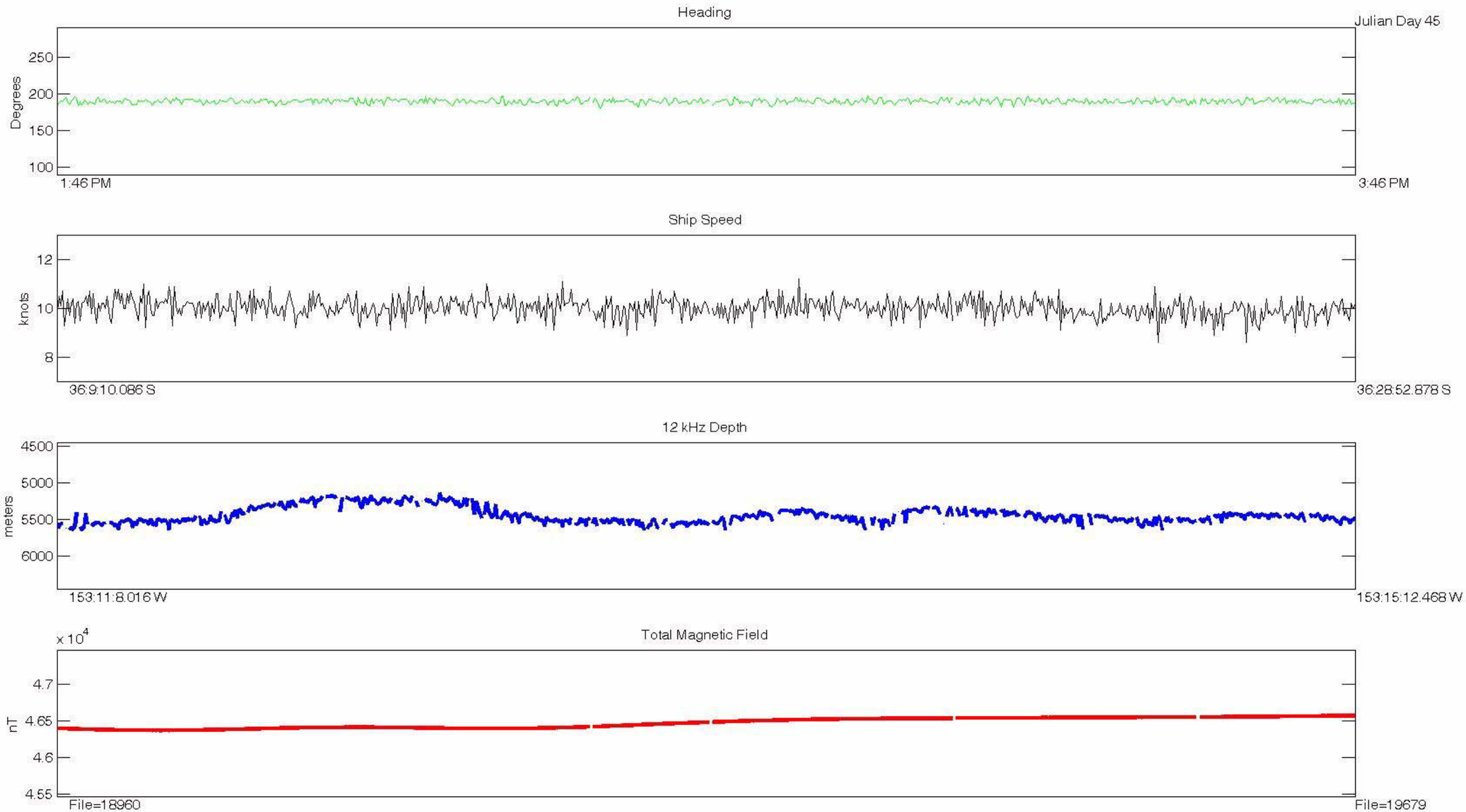

HOUR
10.5
10
9.5
N
S
JD
MINUTE
45
46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6 11 16 21 26 31 36 41
6 km
TUIM 3 Seismic
JD 45
Two way travel time (ms)
Time (ms)
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
7800
7900

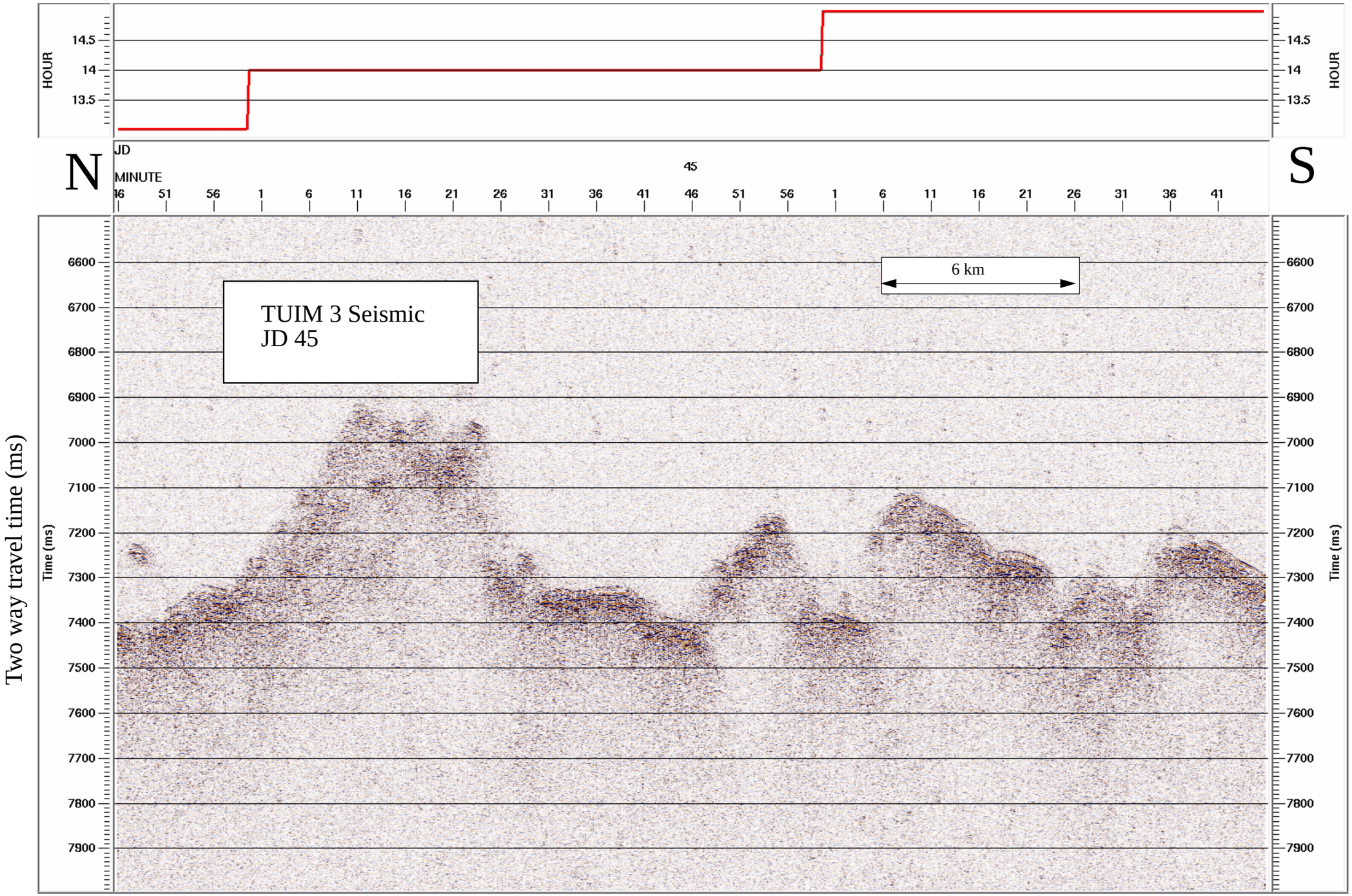
Data File SBfixavg.2005feb14.1200-1800

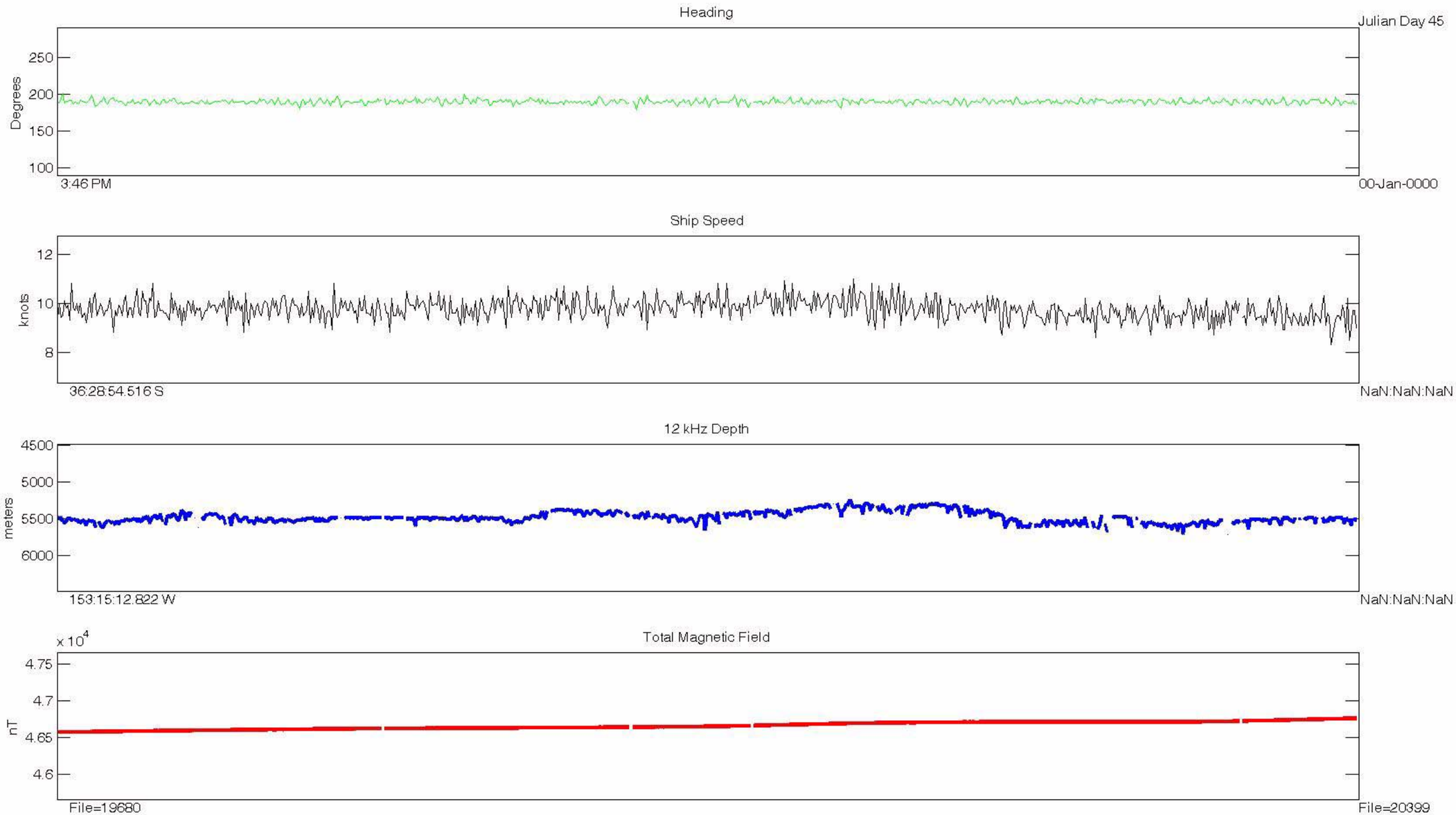


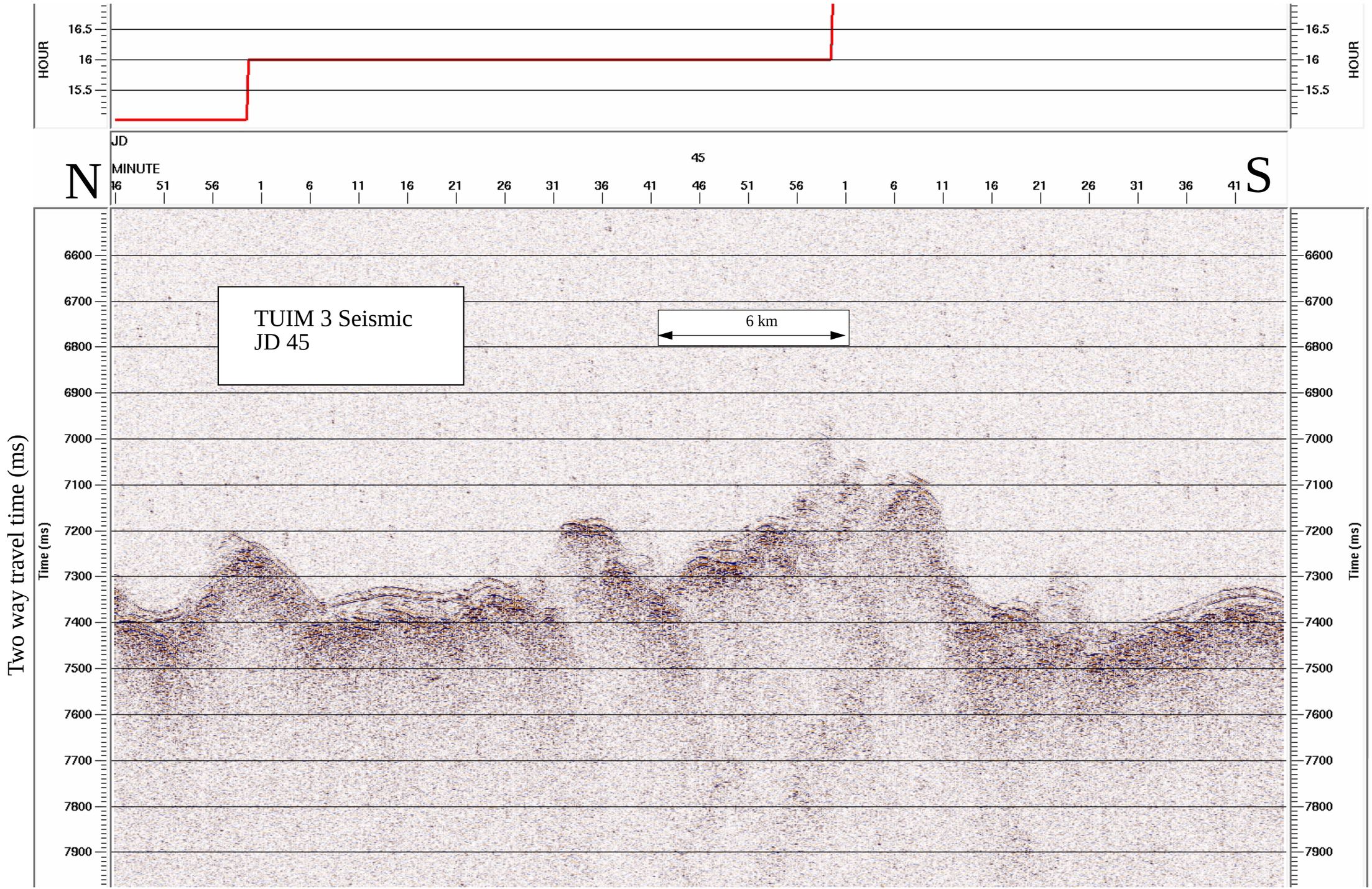

Heading
Julian Day 45
Degrees
250
200
150
100
11:46 AM
1:46 PM
Ship Speed
knots
12
10
8
35:49:24.048 S
36:9:8.418 S
12 kHz Depth
meters
4500
5000
5500
6000
153:7:3.834 W
153:11:7.74 W
x 10^4
Total Magnetic Field
nT
4.7
4.65
4.6
4.55
File=18240
File=18959


HOUR
12.5
12
11.5
N
S
JD
MINUTE
45
46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6 11 16 21 26 31 36 41
6 km
TUIM 3 Seismic
JD 45
Time (ms)
6900 6950 7000 7050 7100 7150 7200 7250 7300 7350 7400 7450 7500 7550 7600 7650 7700 7750 7800 7850
Two way travel time (ms)

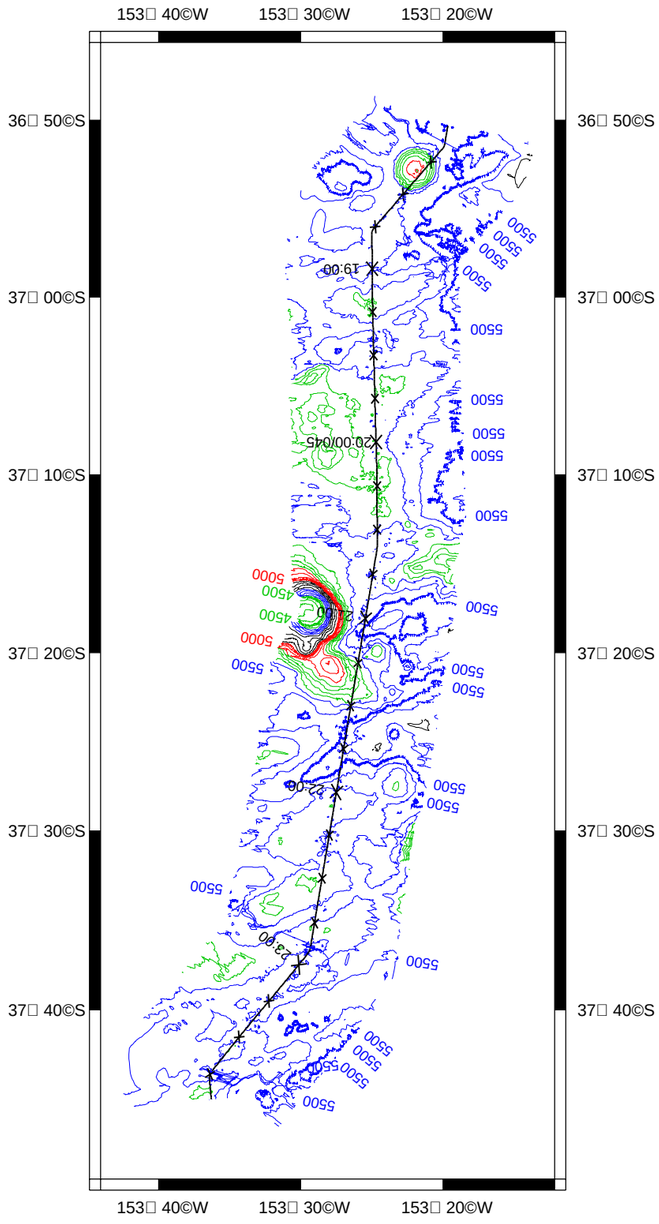

Heading
Julian Day 45
Degrees
250
200
150
100
1:46 PM
3:46 PM
Ship Speed
knots
12
10
8
36:9:10.086 S
36:28:52.878 S
12 kHz Depth
meters
4500
5000
5500
6000
153:11:8.016 W
153:15:12.468 W
Total Magnetic Field
x 10^4
nT
4.7
4.65
4.6
4.55
File=18960
File=19679

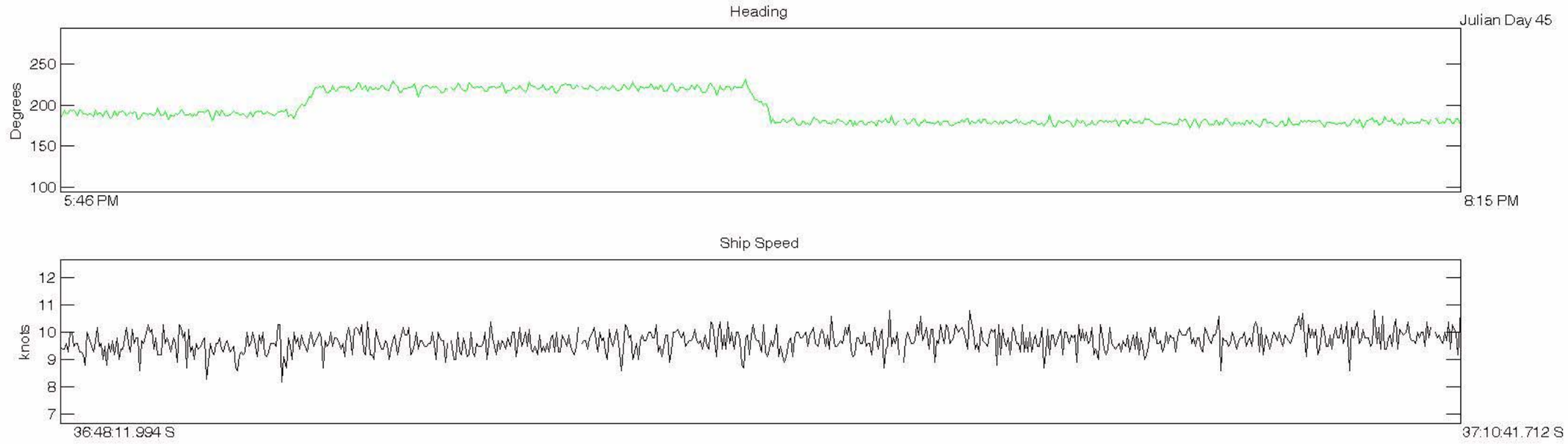

HOUR
14.5
14
13.5
N
S
JD
MINUTE
45
46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6 11 16 21 26 31 36 41
6 km
TUIM 3 Seismic
JD 45
Time (ms)
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
7800
7900
Two way travel time (ms)

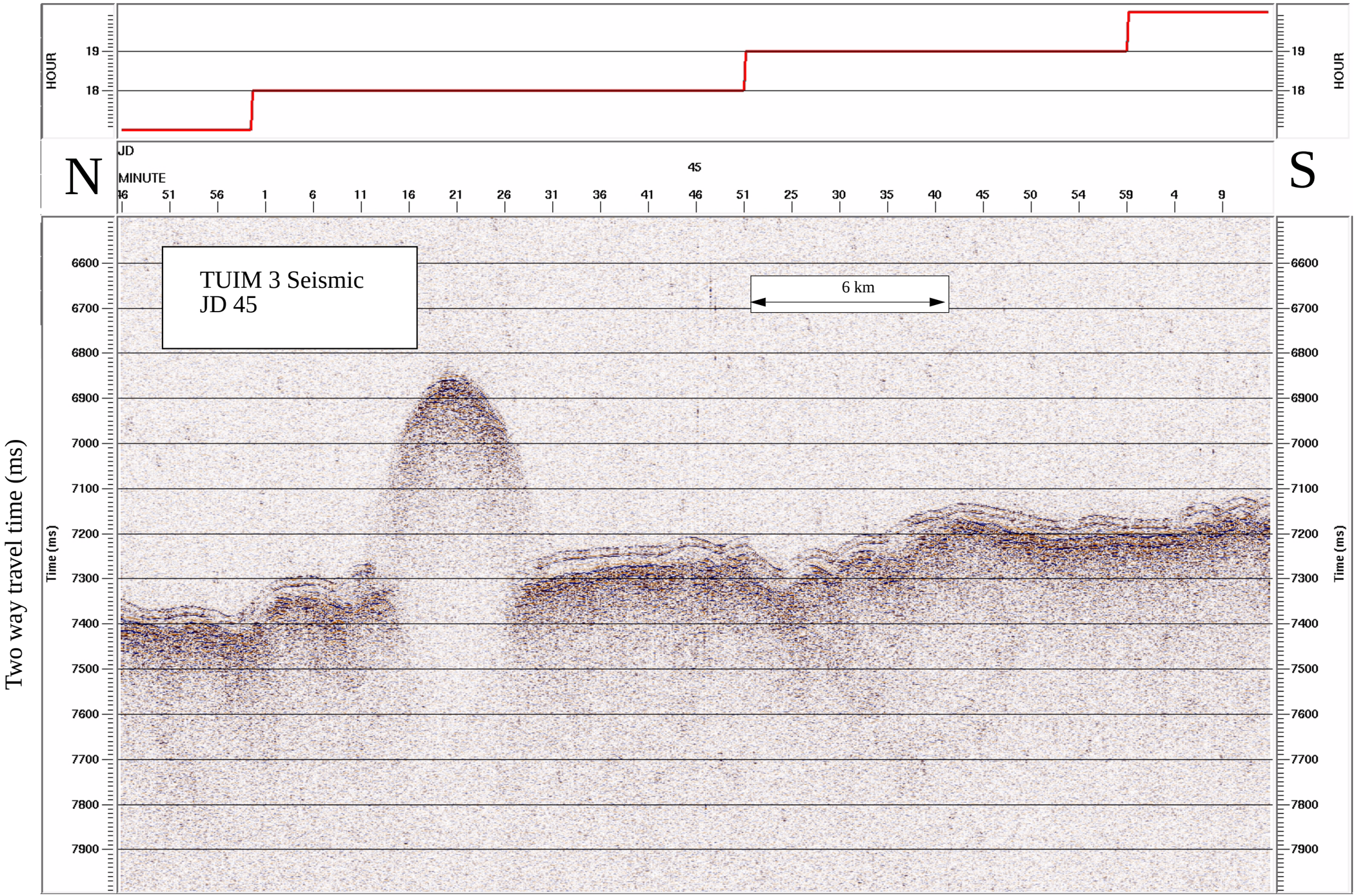

Heading
Julian Day 45
Degrees
250
200
150
100
3:46 PM
00-Jan-0000
Ship Speed
knots
12
10
8
36:28:54.516 S
NaN:NaN:NaN S
12 kHz Depth
meters
4500
5000
5500
6000
153:15:12.822 W
NaN:NaN:NaN W
x 10^4
Total Magnetic Field
nT
4.75
4.7
4.65
4.6
File=19680
File=20399

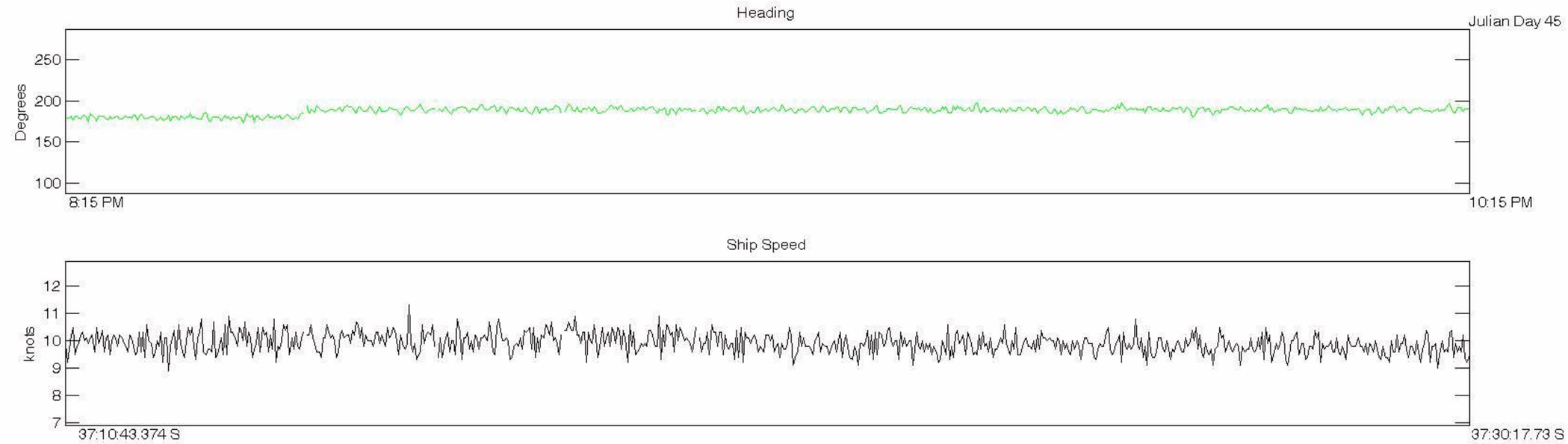

HOUR
16.5
16
15.5
JD
MINUTE
45
46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6 11 16 21 26 31 36 41
N
S
TUIM 3 Seismic
JD 45
6 km
Two way travel time (ms)
Time (ms)
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
7800
7900

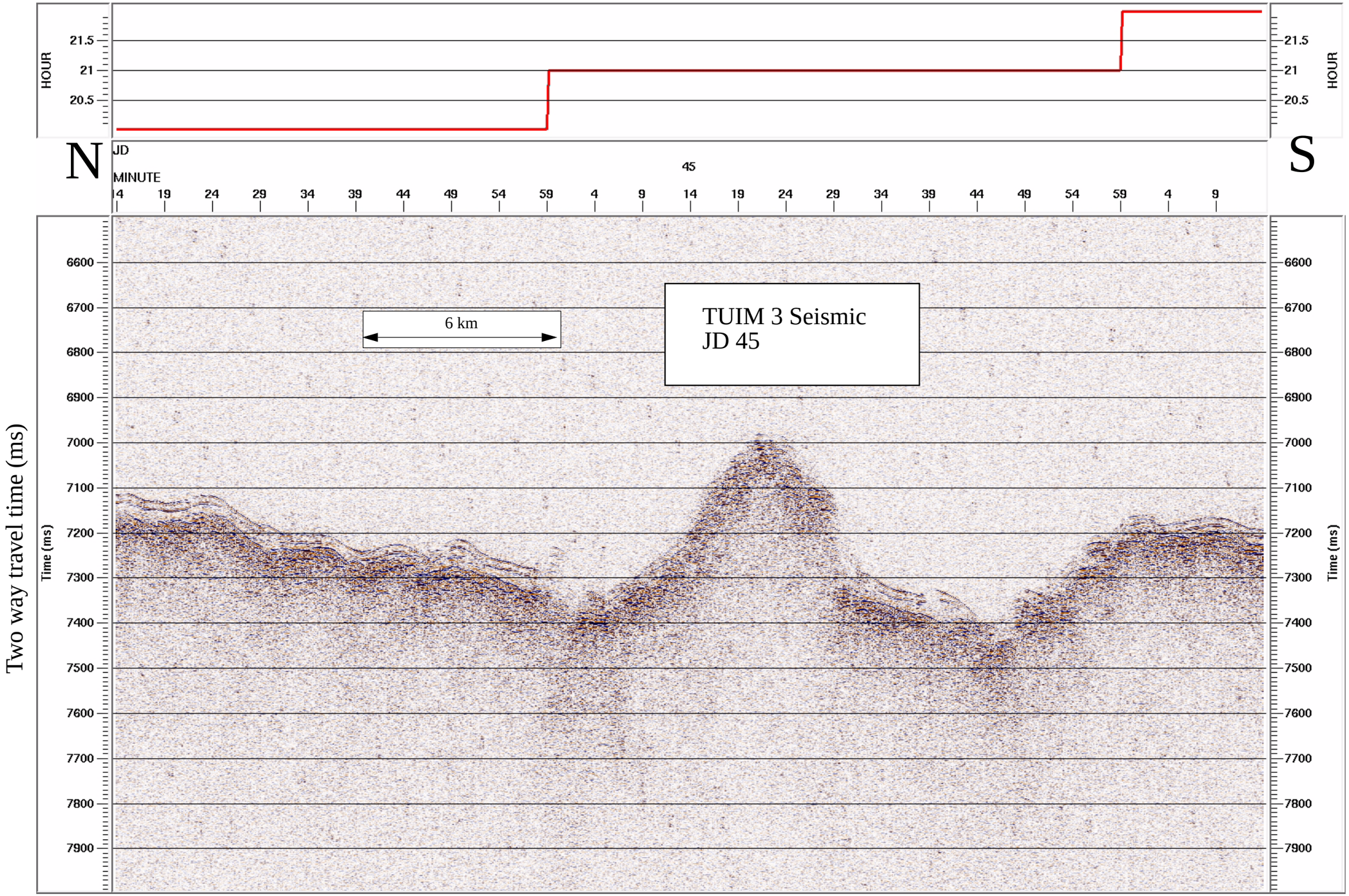
Data File SBfixavg.2005feb14.1800-2400

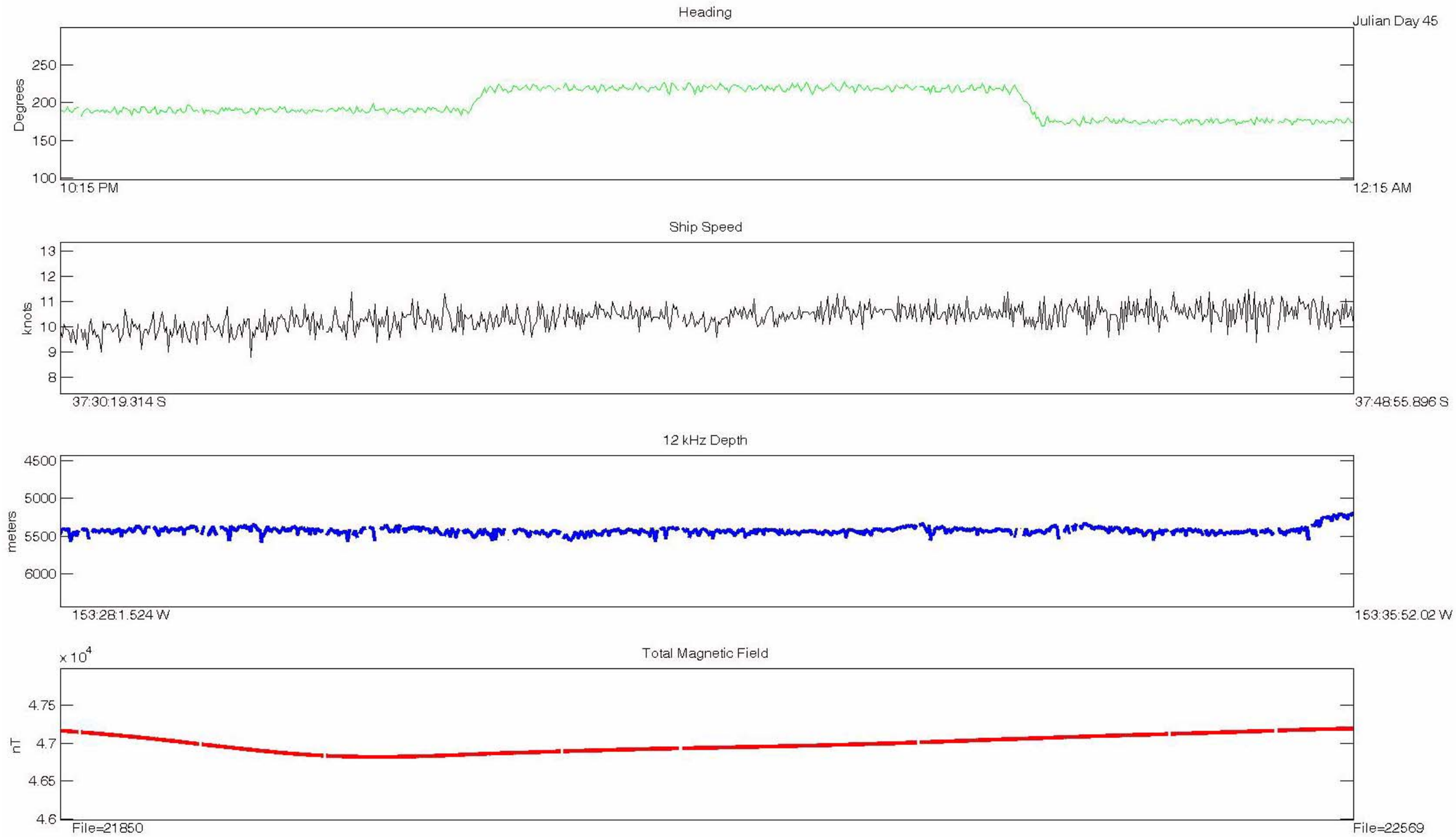


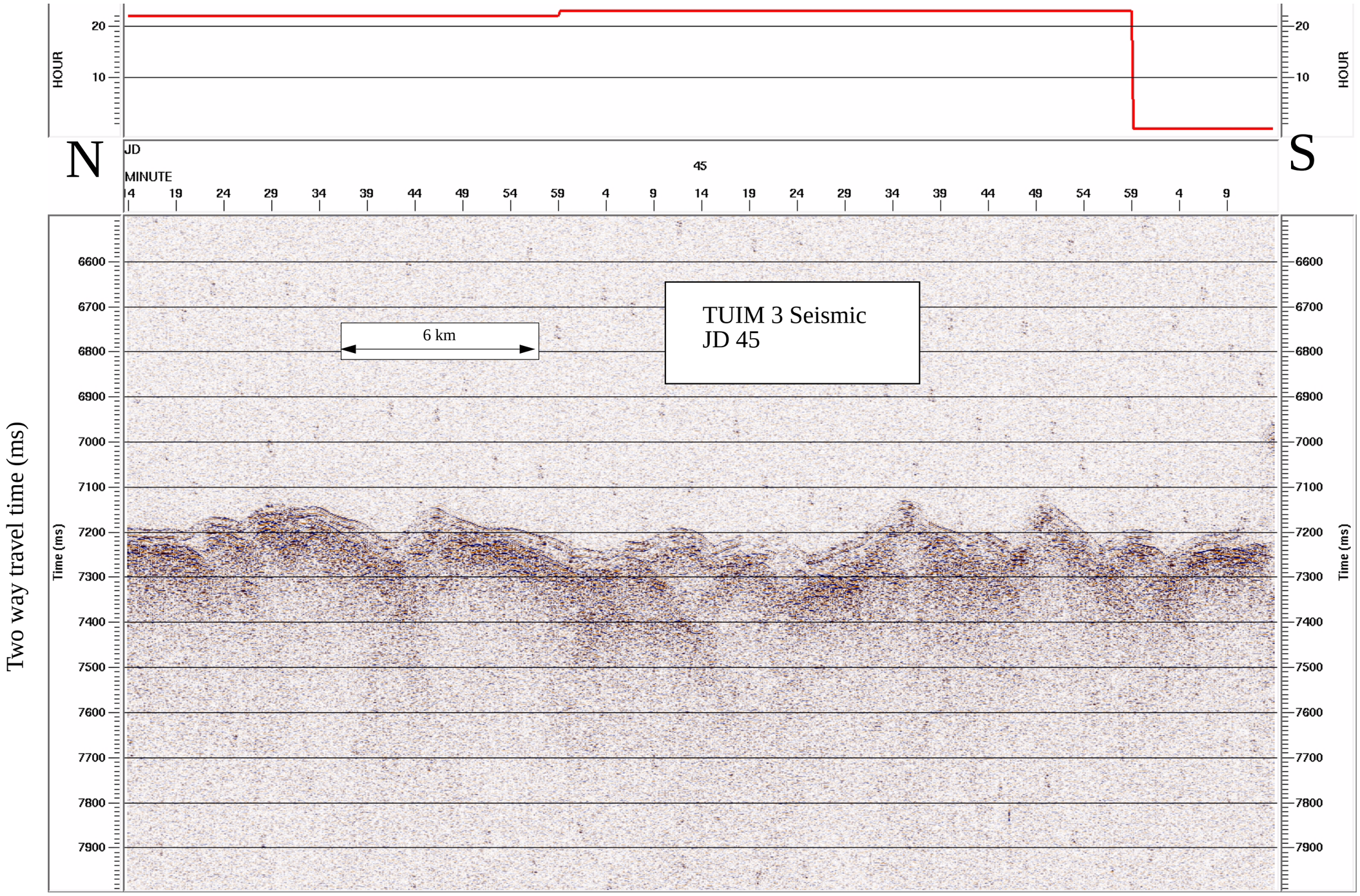

Heading
Julian Day 45
Degrees
250
200
150
100
5:46 PM
8:15 PM
Ship Speed
knots
12
11
10
9
8
7
36:48:11.994 S
37:10:41.712 S
12 kHz Depth
meters
4500
5000
5500
6000
153:19:13.122 W
153:24:38.82 W
x 10^4
Total Magnetic Field
nT
4.75
4.7
4.65
4.6
File=20402
File=21129


HOUR
19
18
N
JD
MINUTE
45
46 51 56 1 6 11 16 21 26 31 36 41 46 51 25 30 35 40 45 50 54 59 4 9
S
TUIM 3 Seismic
JD 45
6 km
Time (ms)
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
7800
7900
Two way travel time (ms)


Heading
Julian Day 45
Degrees
250
200
150
100
8:15 PM
10:15 PM
Ship Speed
knots
12
11
10
9
8
7
37:10:43.374 S
37:30:17.73 S
12 kHz Depth
meters
4500
5000
5500
6000
153:24:38.754 W
153:28:1.17 W
x 10^4
Total Magnetic Field
nT
4.8
4.75
4.7
4.65
File=21130
File=21849


HOUR
21.5
21
20.5
N
S
JD
MINUTE
45
14 19 24 29 34 39 44 49 54 59 4 9 14 19 24 29 34 39 44 49 54 59 4 9
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
7800
7900
Time (ms)
6 km
TUIM 3 Seismic
JD 45
Two way travel time (ms)

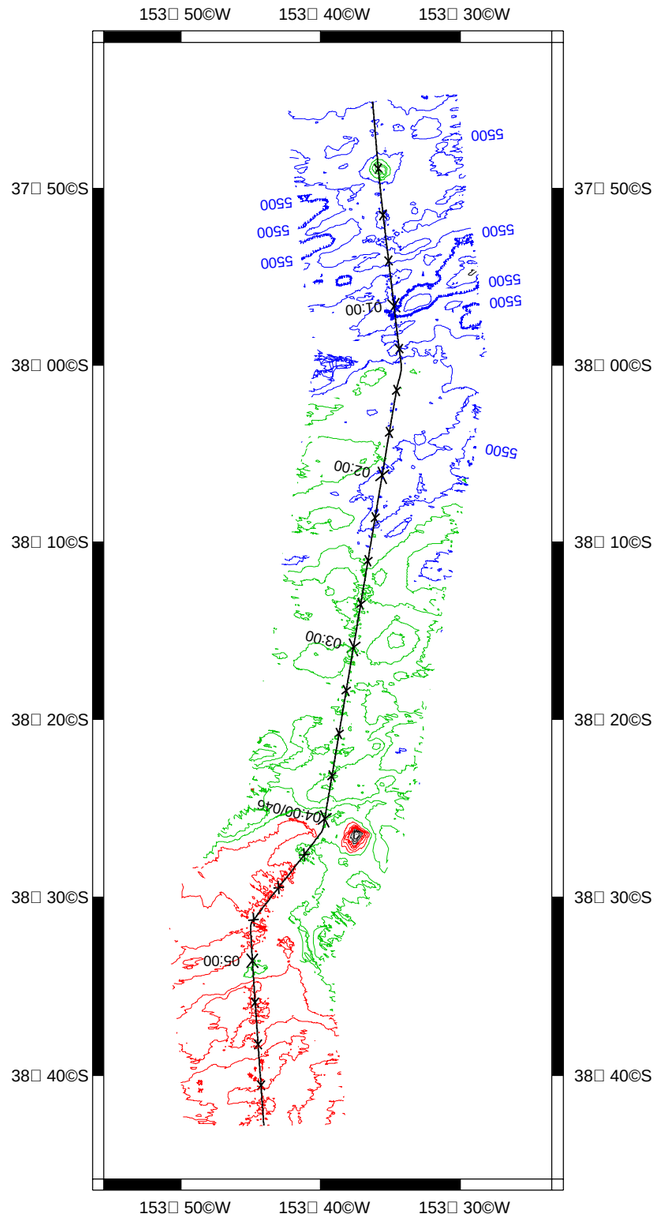

Heading
Julian Day 45
Degrees
250
200
150
100
10:15 PM
12:15 AM
Ship Speed
knots
13
12
11
10
9
8
37:30:19.314 S
37:48:55.896 S
12 kHz Depth
meters
4500
5000
5500
6000
153:28:1.524 W
153:35:52.02 W
Total Magnetic Field
x 10^4
nT
4.75
4.7
4.65
4.6
File=21850
File=22569

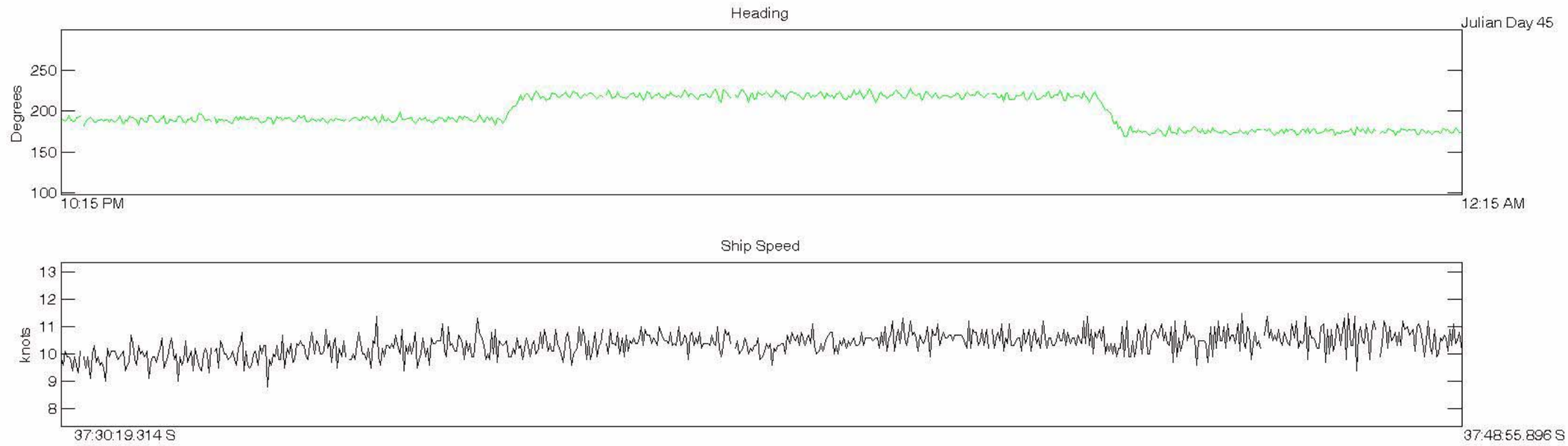


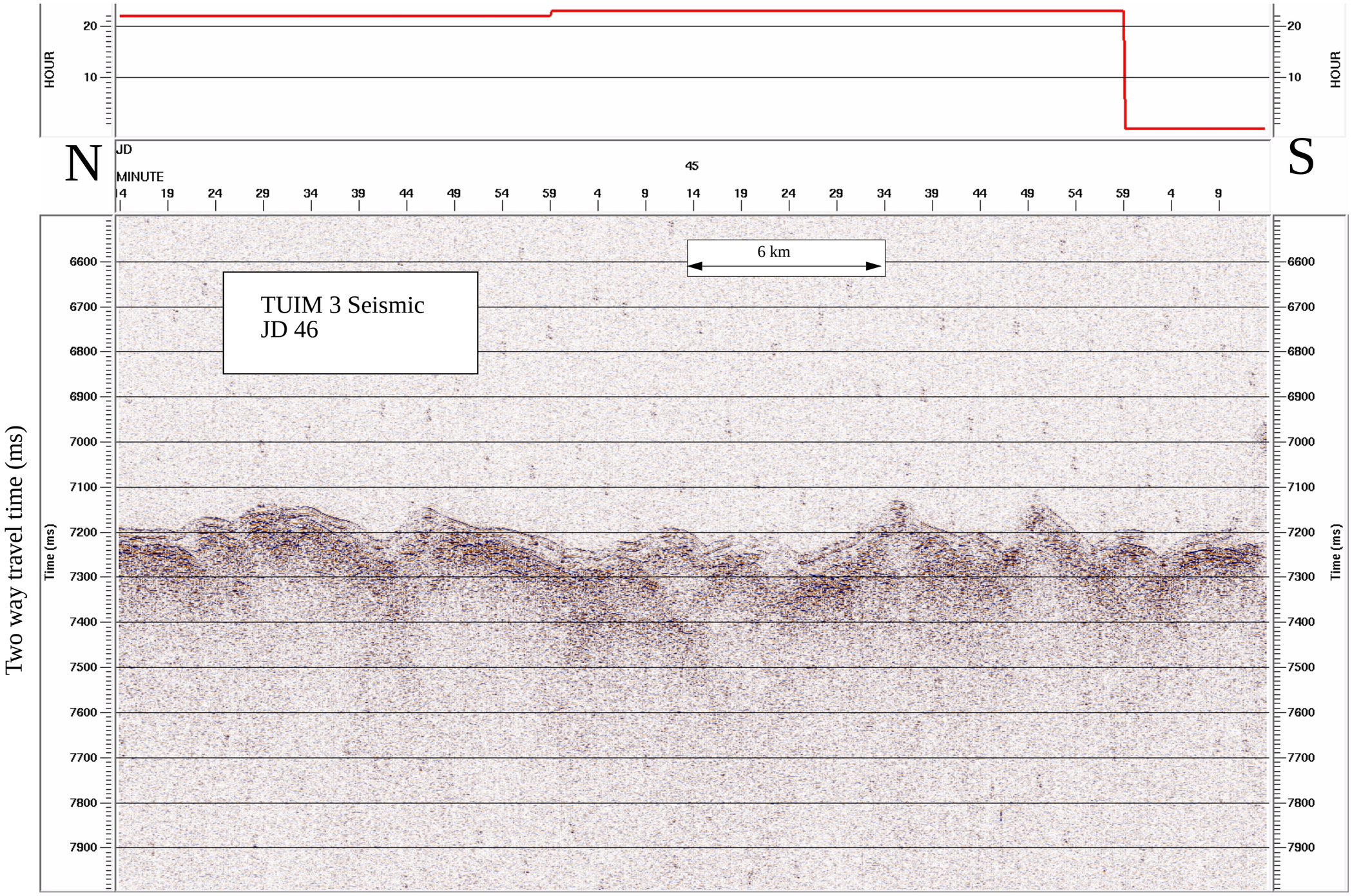
Two way travel time (ms)

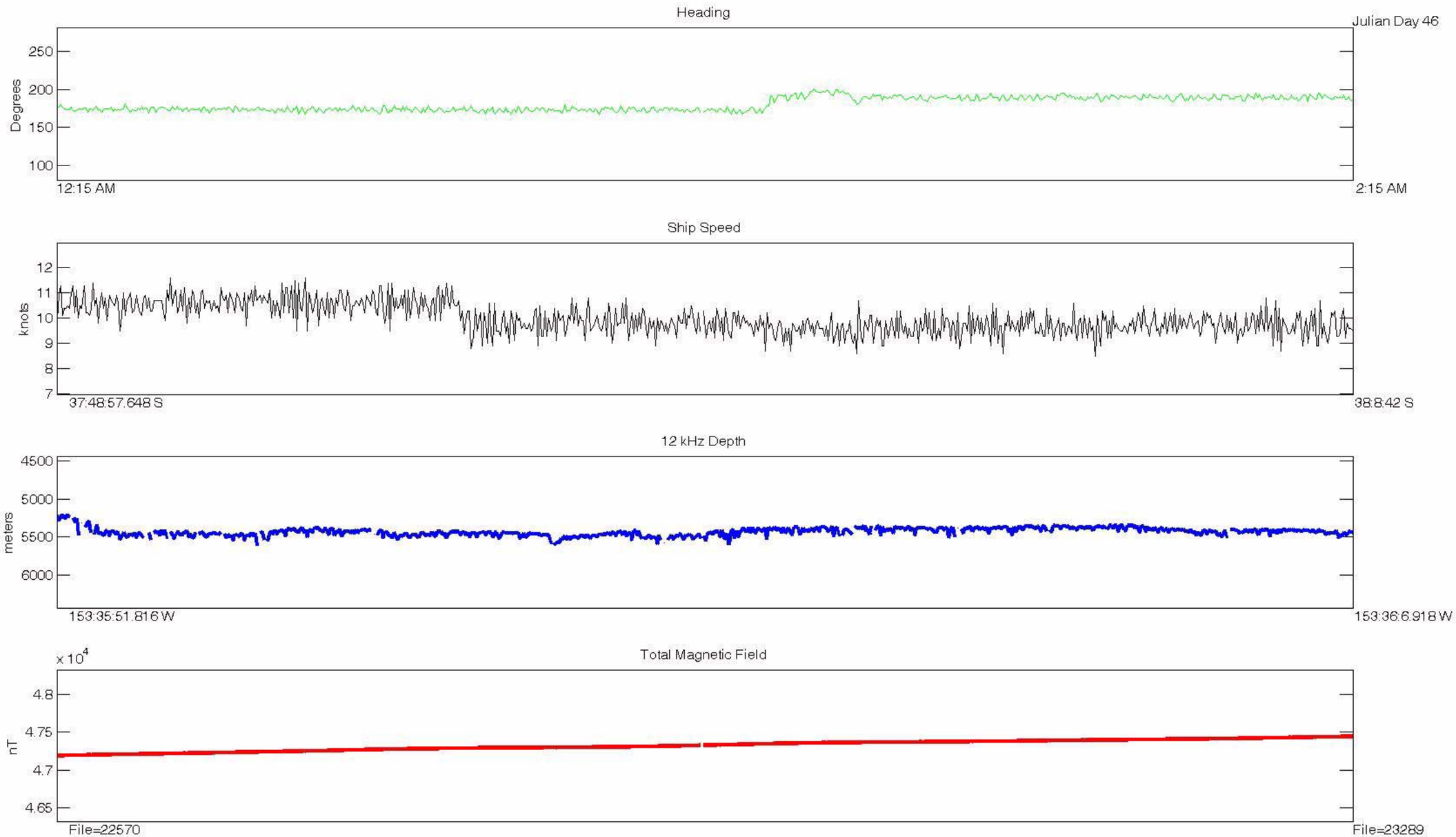
Julian Day 46
15 February 2005
150 c.i GI gun Source,
4-channel SIO streamer

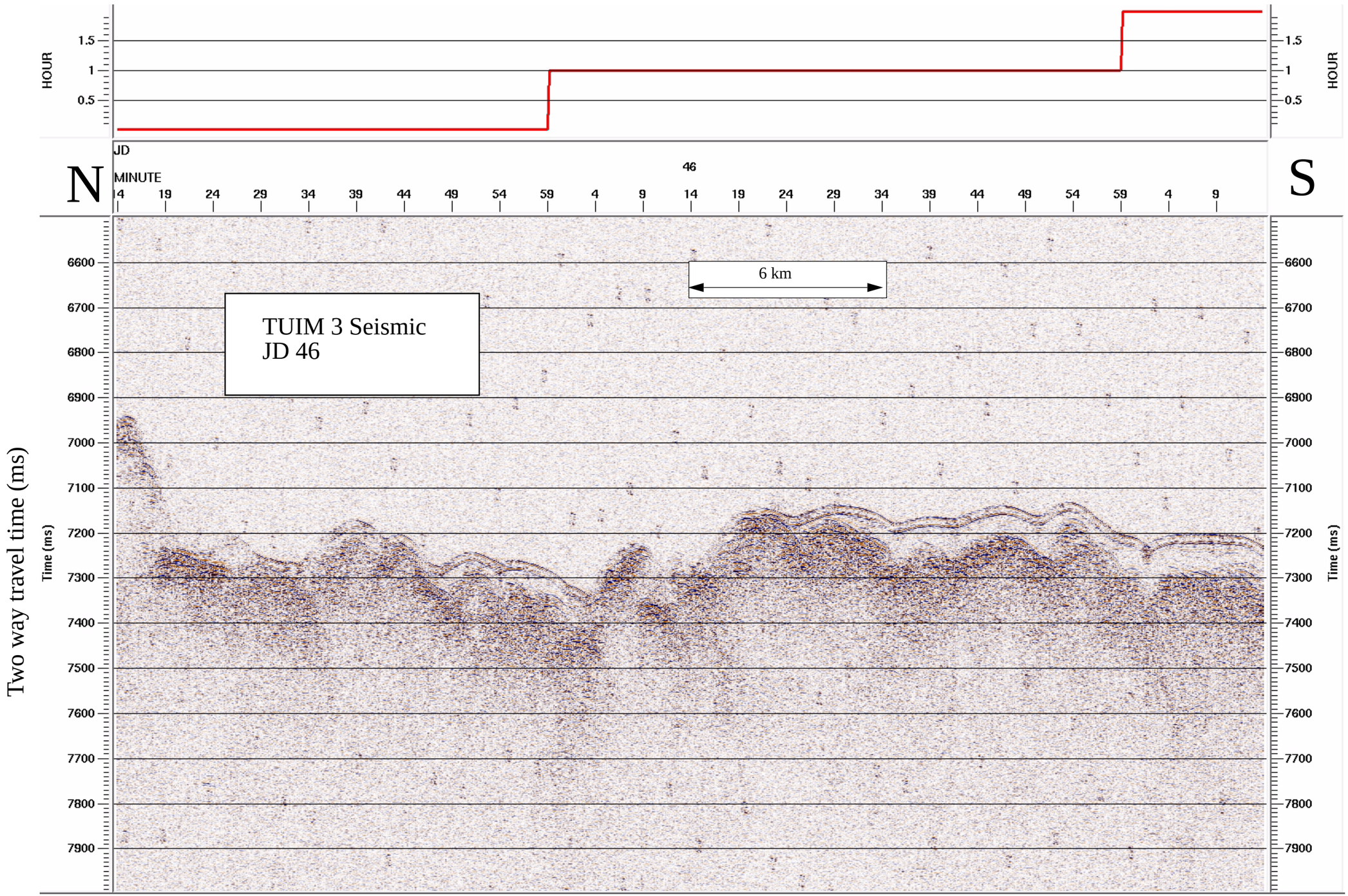
Data File SBfixavg.2005feb15.0000-0600

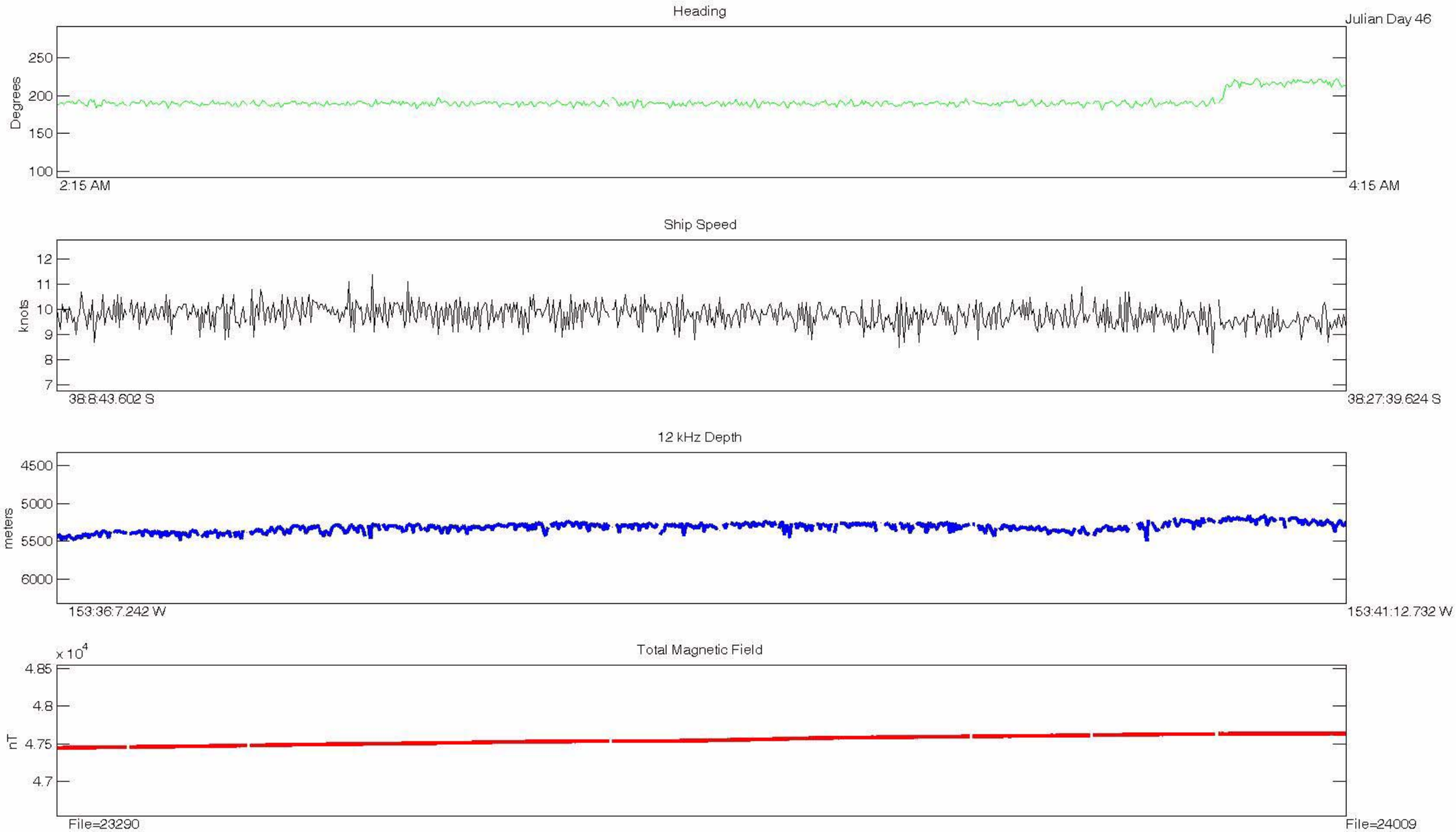


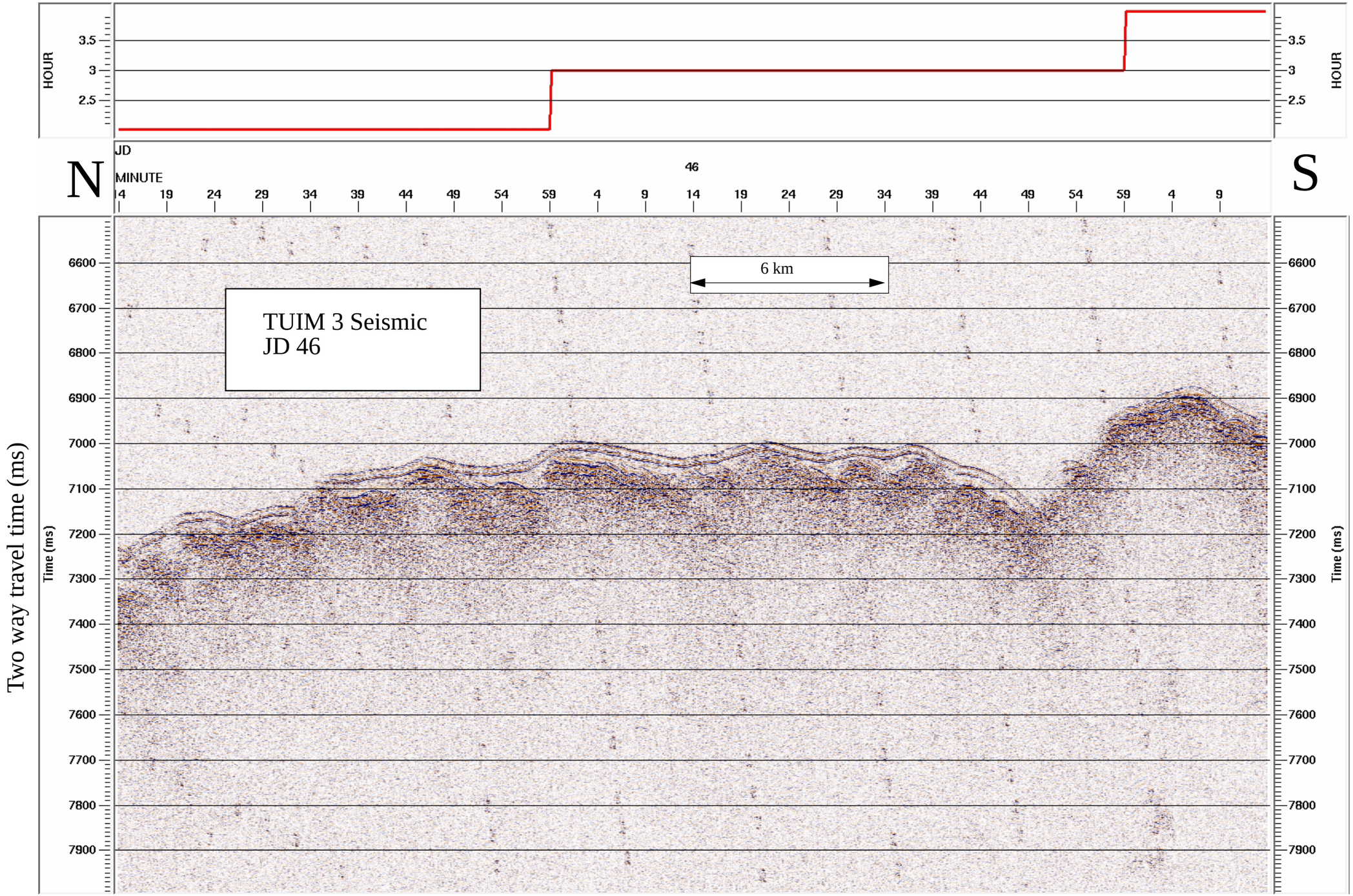

Heading
Julian Day 45
Degrees
250
200
150
100
10:15 PM
12:15 AM
Ship Speed
knots
13
12
11
10
9
8
37:30:19.314 S
37:48:55.896 S
12 kHz Depth
meters
4500
5000
5500
6000
153:28:1.524 W
153:35:52.02 W
Total Magnetic Field
x 10^4
nT
4.75
4.7
4.65
4.6
File=21850
File=22569

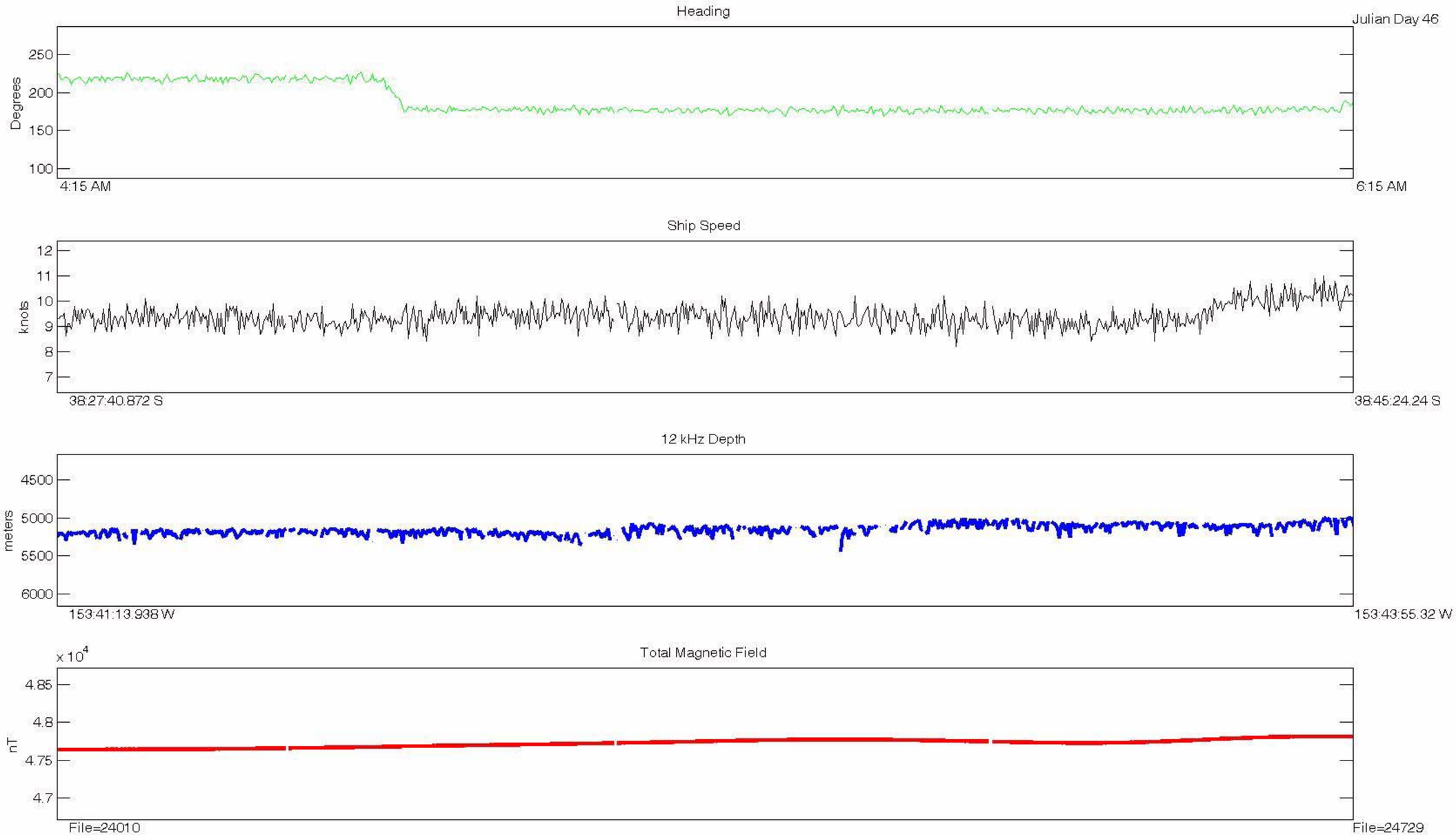

HOUR
20
10
N
S
JD
MINUTE
45
14 19 24 29 34 39 44 49 54 59 4 9 14 19 24 29 34 39 44 49 54 59 4 9
6 km
TUIM 3 Seismic
JD 46
Two way travel time (ms)
Time (ms)
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
7800
7900

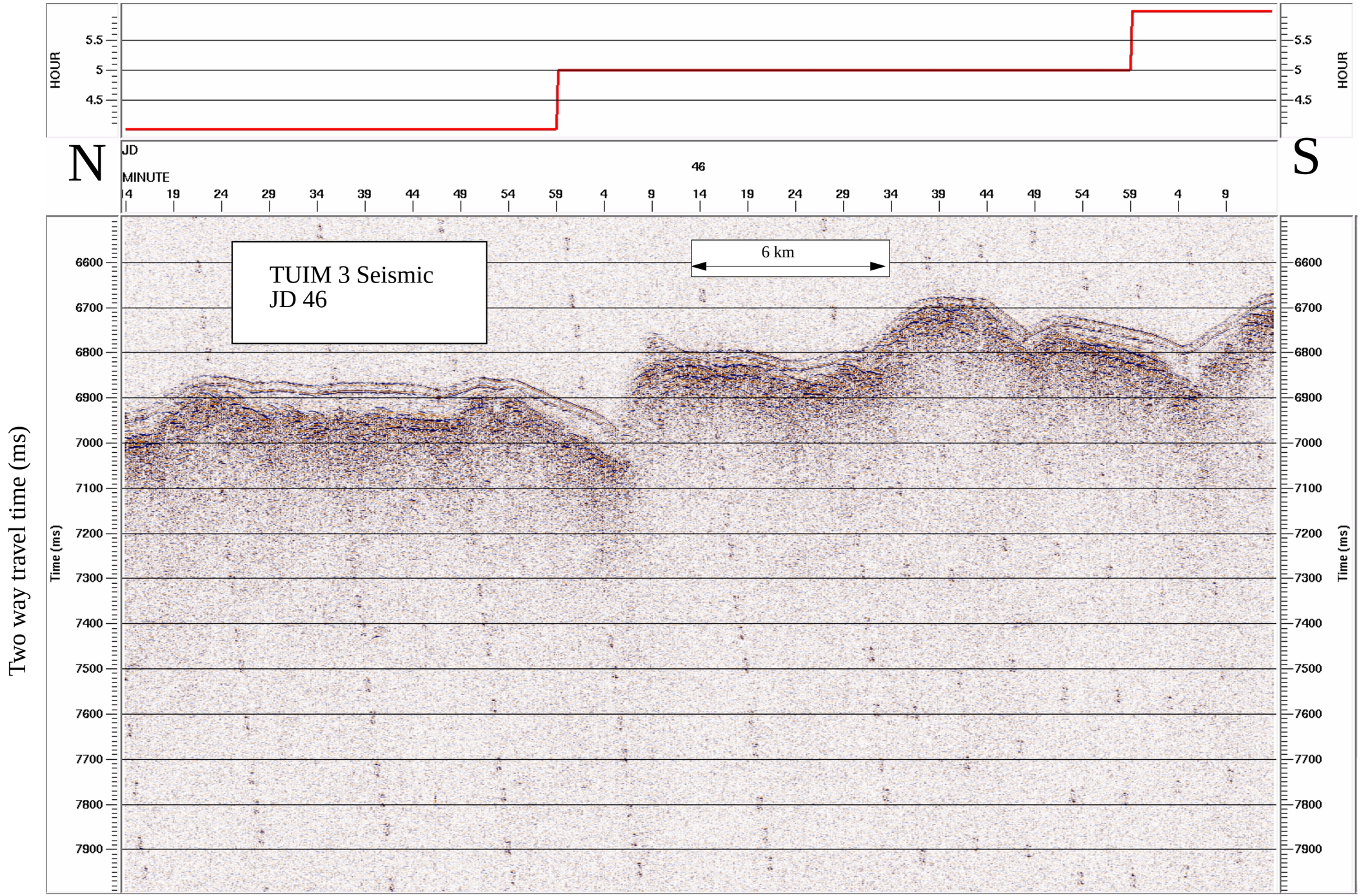

Heading
Julian Day 46
Degrees
250
200
150
100
12:15 AM
2:15 AM
Ship Speed
knots
12
11
10
9
8
7
37:48:57.648 S
38:8:42 S
12 kHz Depth
meters
4500
5000
5500
6000
153:35:51.816 W
153:36:6.918 W
Total Magnetic Field
x 10^4
nT
4.8
4.75
4.7
4.65
File=22570
File=23289


HOUR
1.5
1
0.5
N
S
JD
MINUTE
46
14 19 24 29 34 39 44 49 54 59 4 9 14 19 24 29 34 39 44 49 54 59 4 9
6 km
TUIM 3 Seismic
JD 46
Time (ms)
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
7800
7900
Two way travel time (ms)

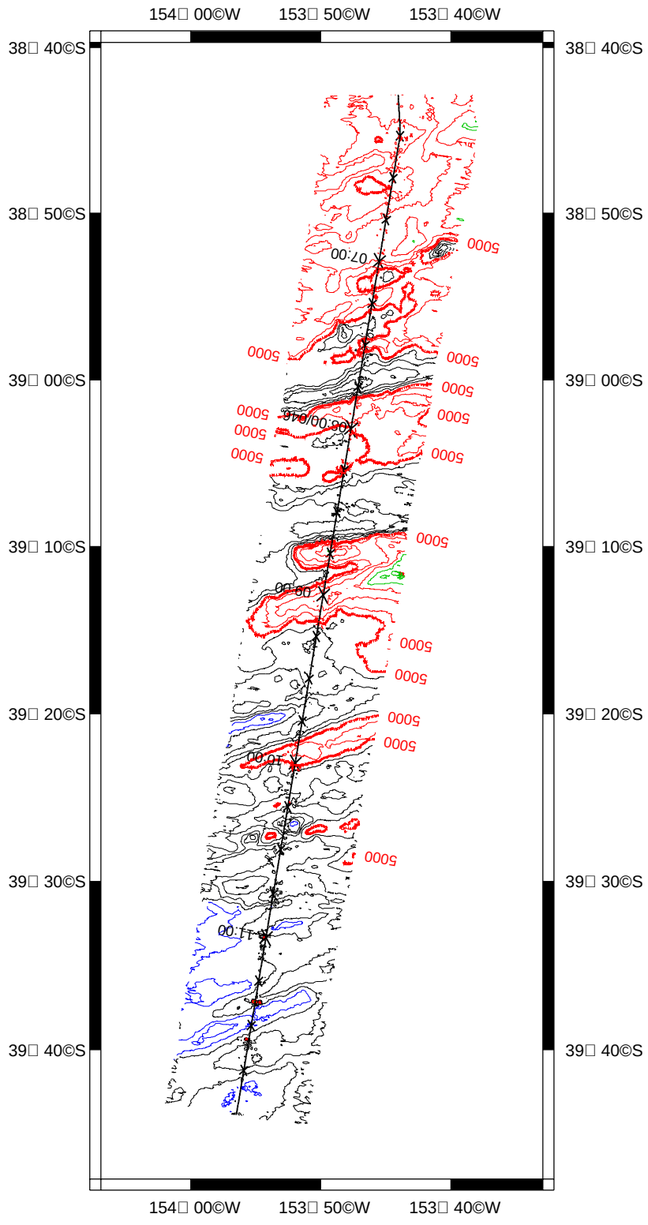

Heading
Julian Day 46
Degrees
250
200
150
100
2:15 AM
4:15 AM
Ship Speed
knots
12
11
10
9
8
7
38:8:43.602 S
38:27:39.624 S
12 kHz Depth
meters
4500
5000
5500
6000
153:36:7.242 W
153:41:12.732 W
Total Magnetic Field
x 10^4
nT
4.85
4.8
4.75
4.7
File=23290
File=24009

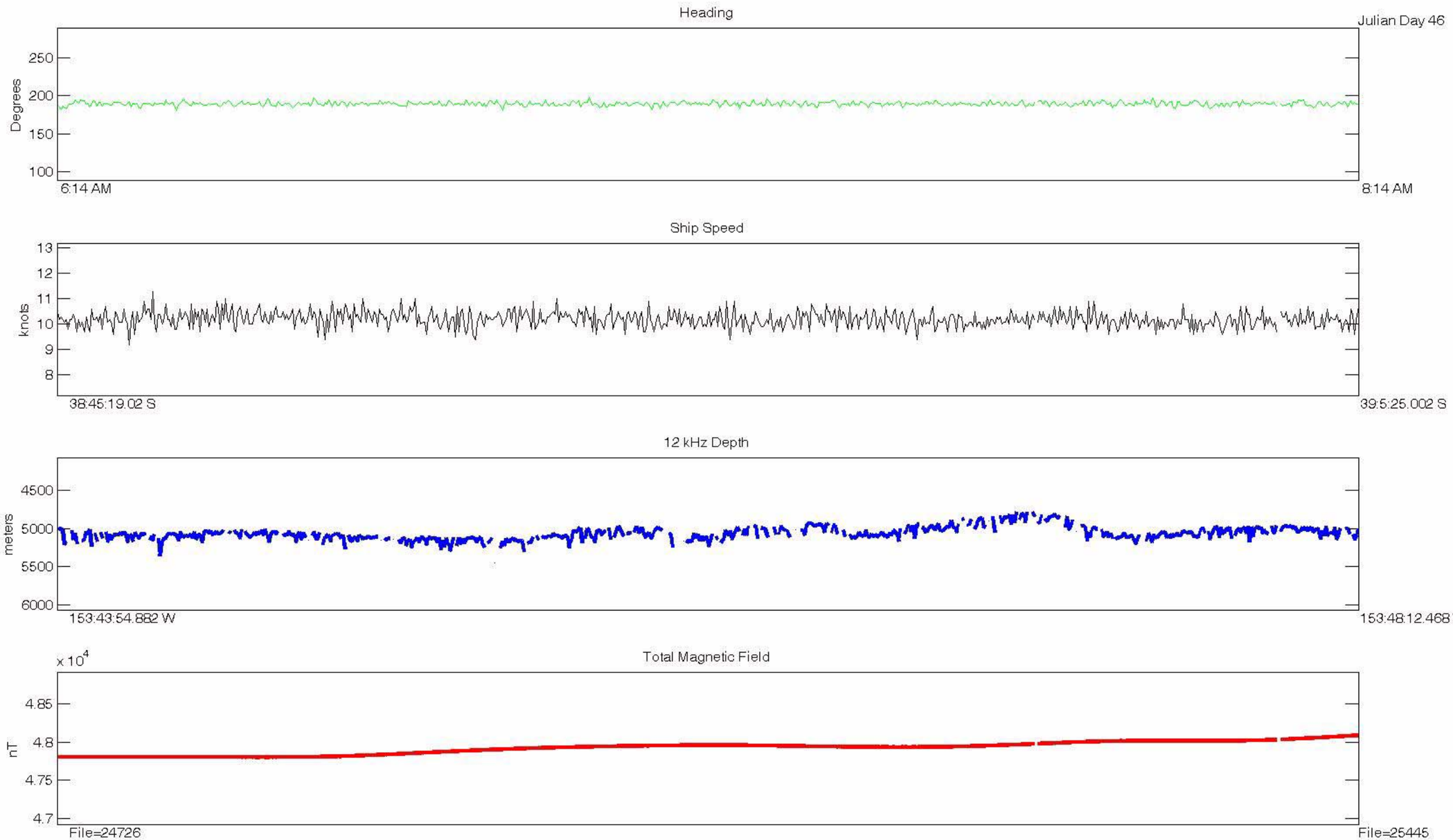

HOUR
3.5
3
2.5
N
JD
MINUTE
46
S
6 km
TUIM 3 Seismic
JD 46
Time (ms)
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
7800
7900
Two way travel time (ms)

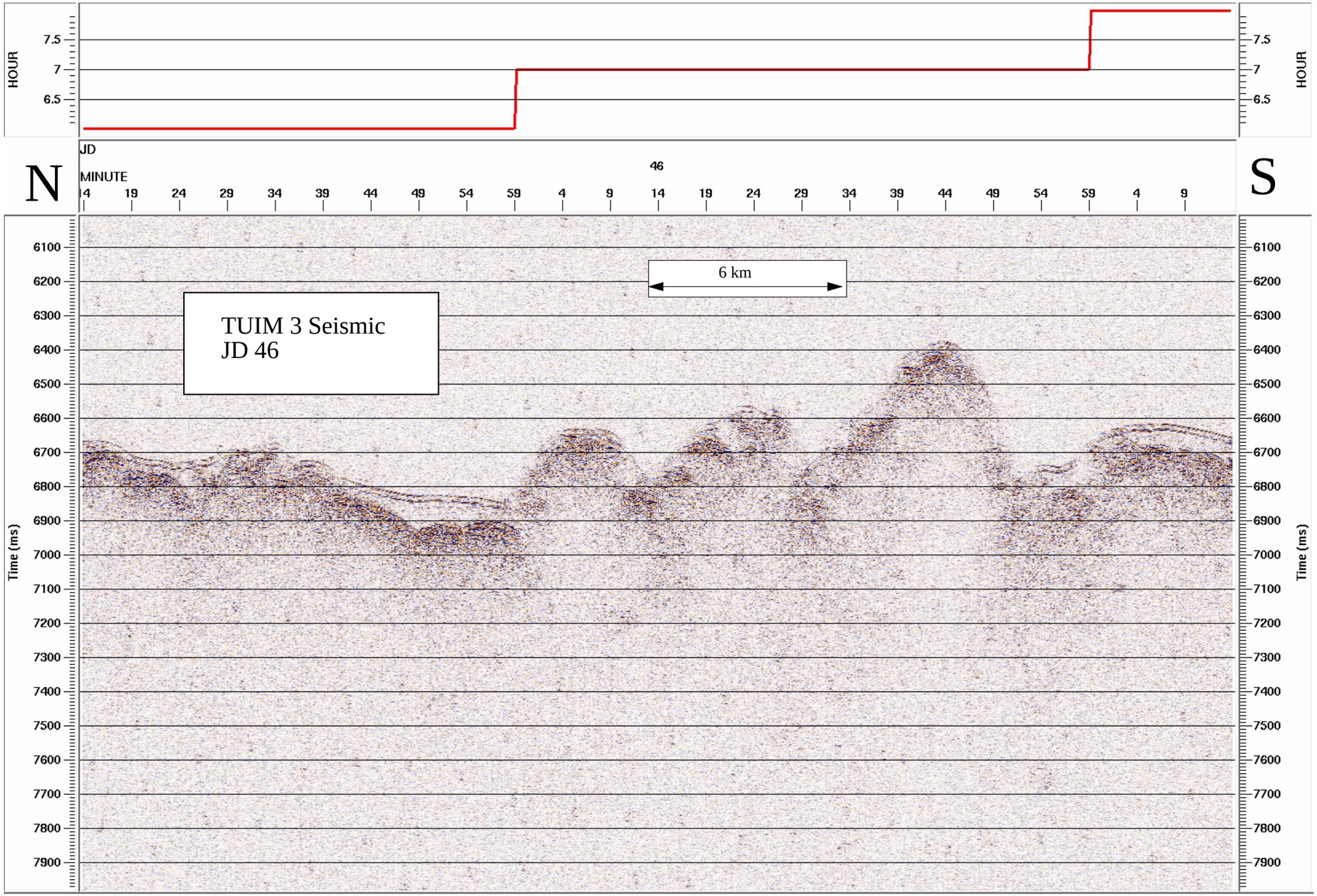

Heading
Julian Day 46
Degrees
250
200
150
100
4:15 AM
6:15 AM
Ship Speed
knots
12
11
10
9
8
7
38:27:40.872 S
38:45:24.24 S
12 kHz Depth
meters
4500
5000
5500
6000
153:41:13.938 W
153:43:55.32 W
Total Magnetic Field
x 10^4
nT
4.85
4.8
4.75
4.7
File=24010
File=24729

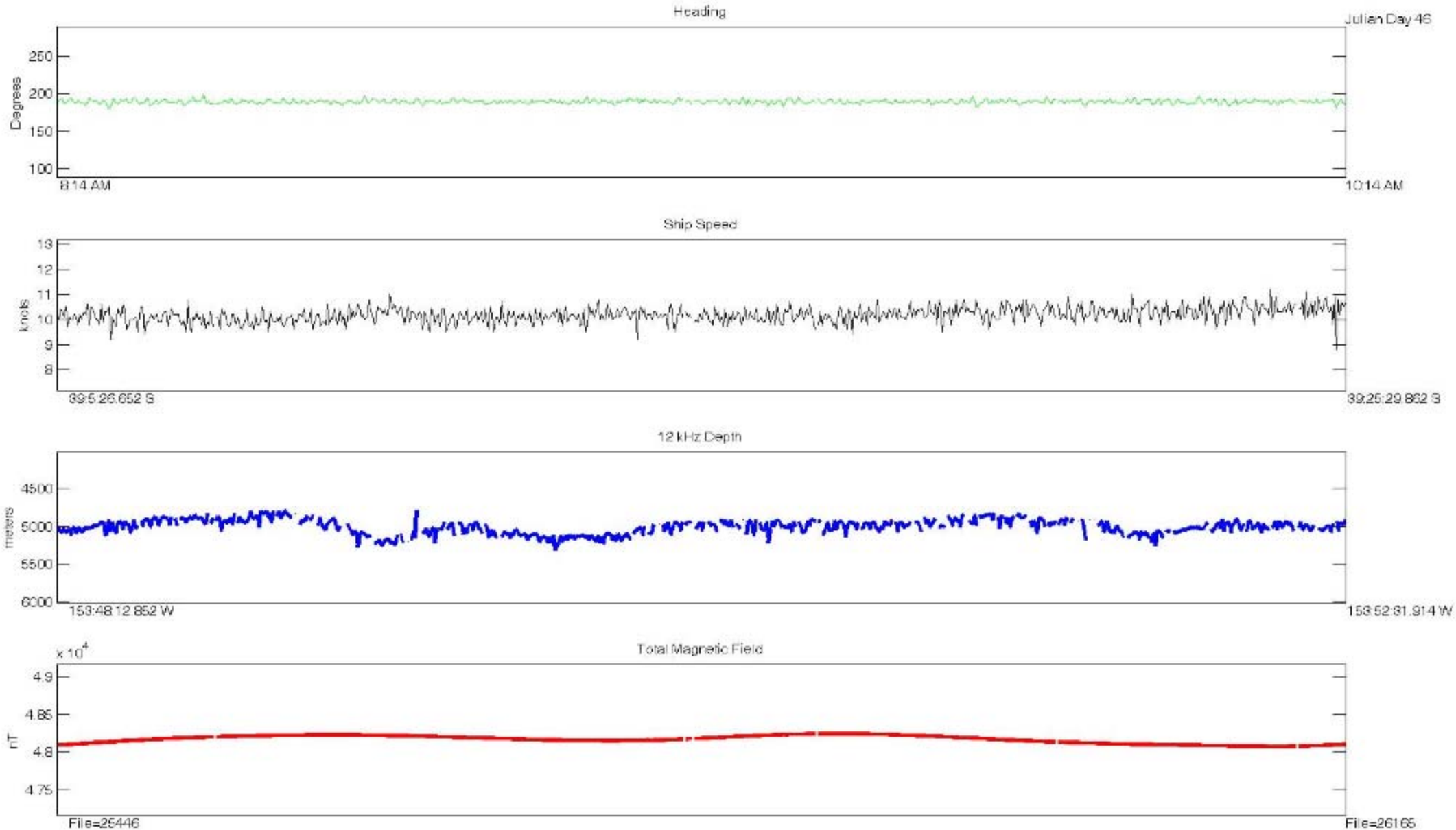

HOUR
5.5
5
4.5
N
S
JD
MINUTE
46
14 19 24 29 34 39 44 49 54 59 4 9 14 19 24 29 34 39 44 49 54 59 4 9
TUIM 3 Seismic
JD 46
6 km
Time (ms)
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
7800
7900
Two way travel time (ms)

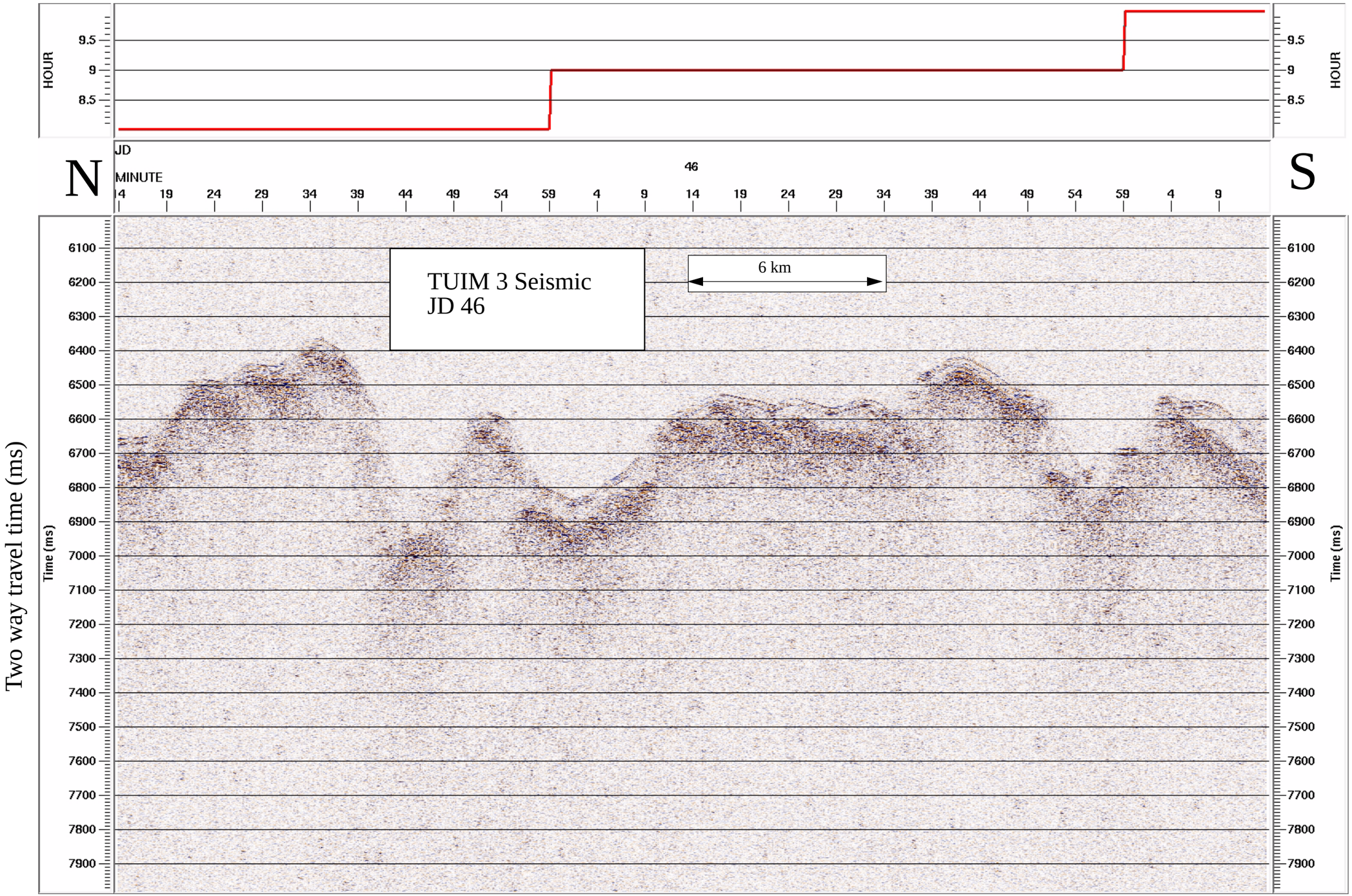
Data File SBfixavg.2005feb15.0600-1200

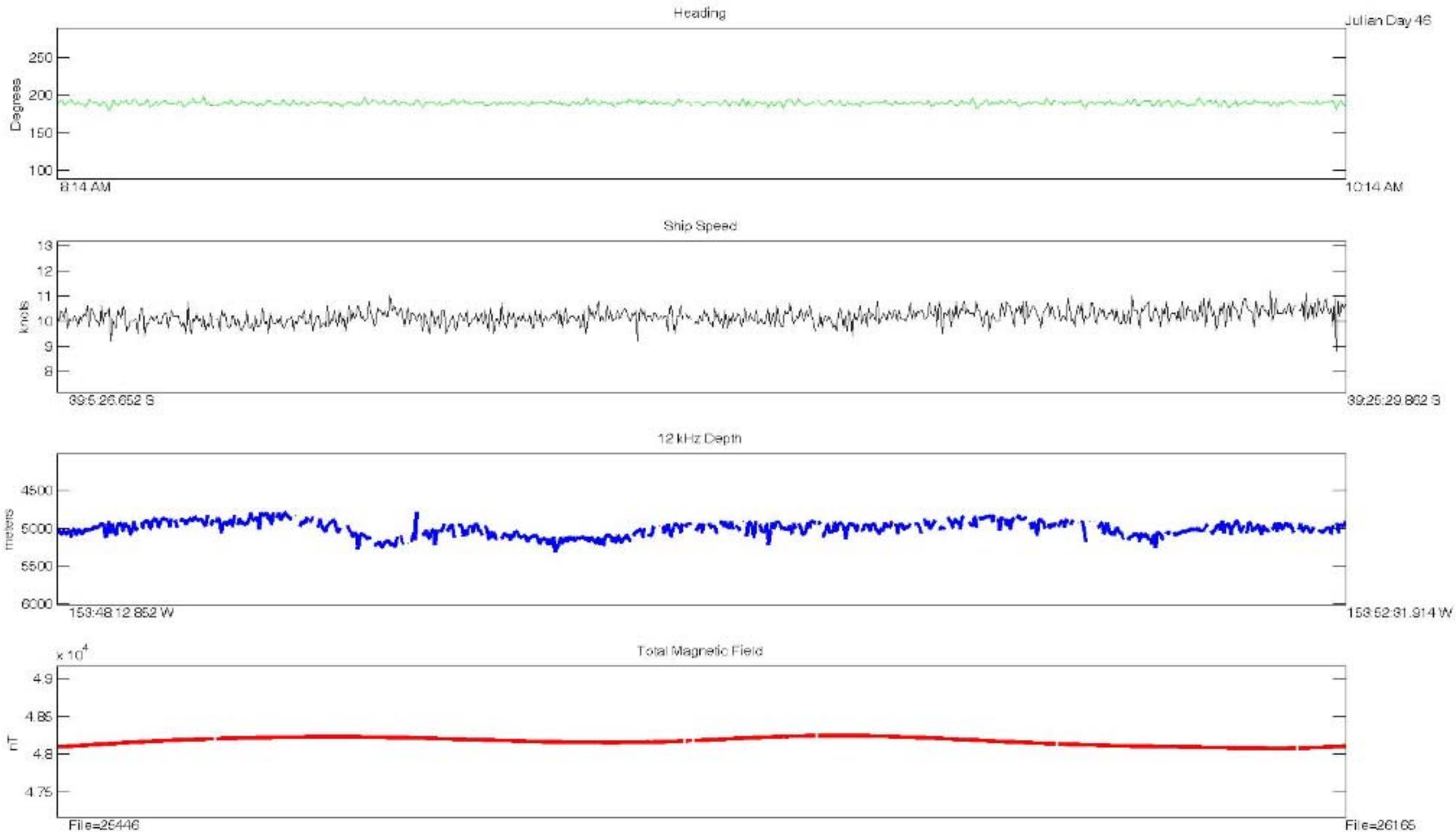


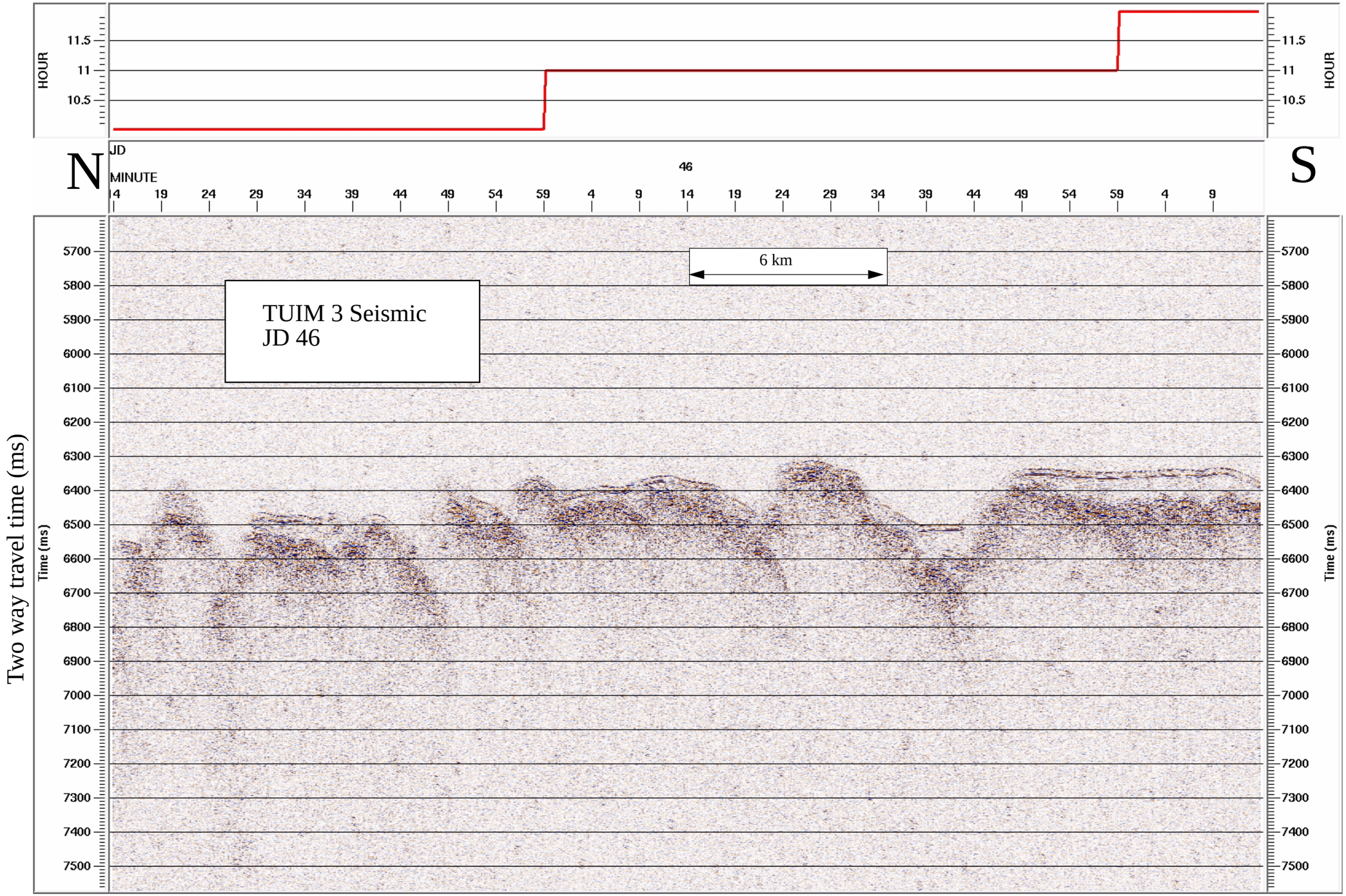

Heading
Julian Day 46
Degrees
250
200
150
100
6:14 AM
8:14 AM
Ship Speed
knots
13
12
11
10
9
8
38:45:19.02 S
39:5:25.002 S
12 kHz Depth
meters
4500
5000
5500
6000
153:43:54.882 W
153:48:12.468 W
x 10^4
Total Magnetic Field
nT
4.85
4.8
4.75
4.7
File=24726
File=25445


HOUR
7.5
7
6.5
JD
MINUTE
46
N
S
14 19 24 29 34 39 44 49 54 59 4 9 14 19 24 29 34 39 44 49 54 59 4 9
6 km
TUIM 3 Seismic
JD 46
Time (ms)
6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900
Two way travel time (ms)

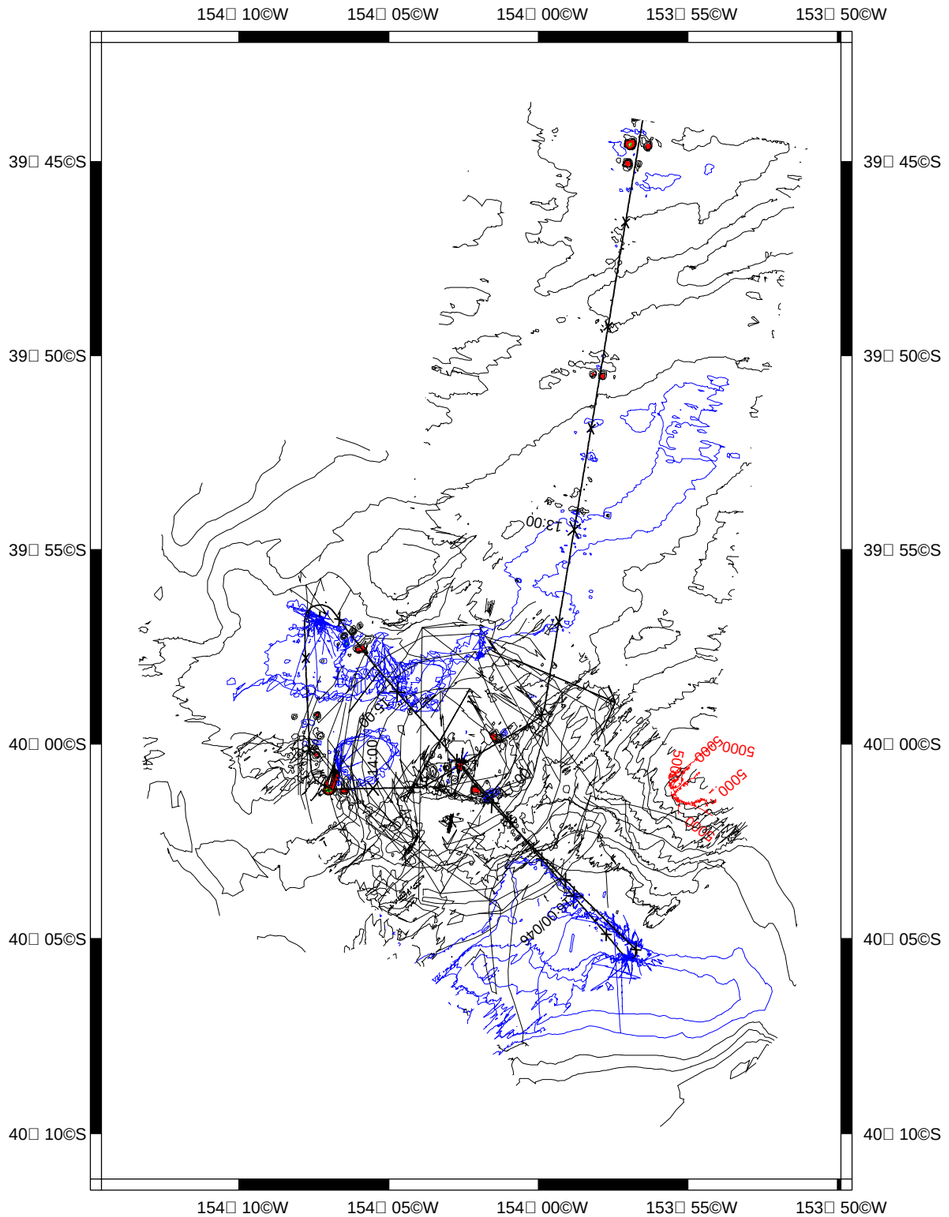

Heading
Julian Day 46
Degrees
250
200
150
100
8:14 AM
10:14 AM
Ship Speed
knots
13
12
11
10
9
8
39:5:26.652 S
39:25:29.862 S
12 kHz Depth
meters
4500
5000
5500
6000
153:48:12.852 W
153:52:31.914 W
Total Magnetic Field
x 10^4
nT
4.9
4.85
4.8
4.75
File=25446
File=26165

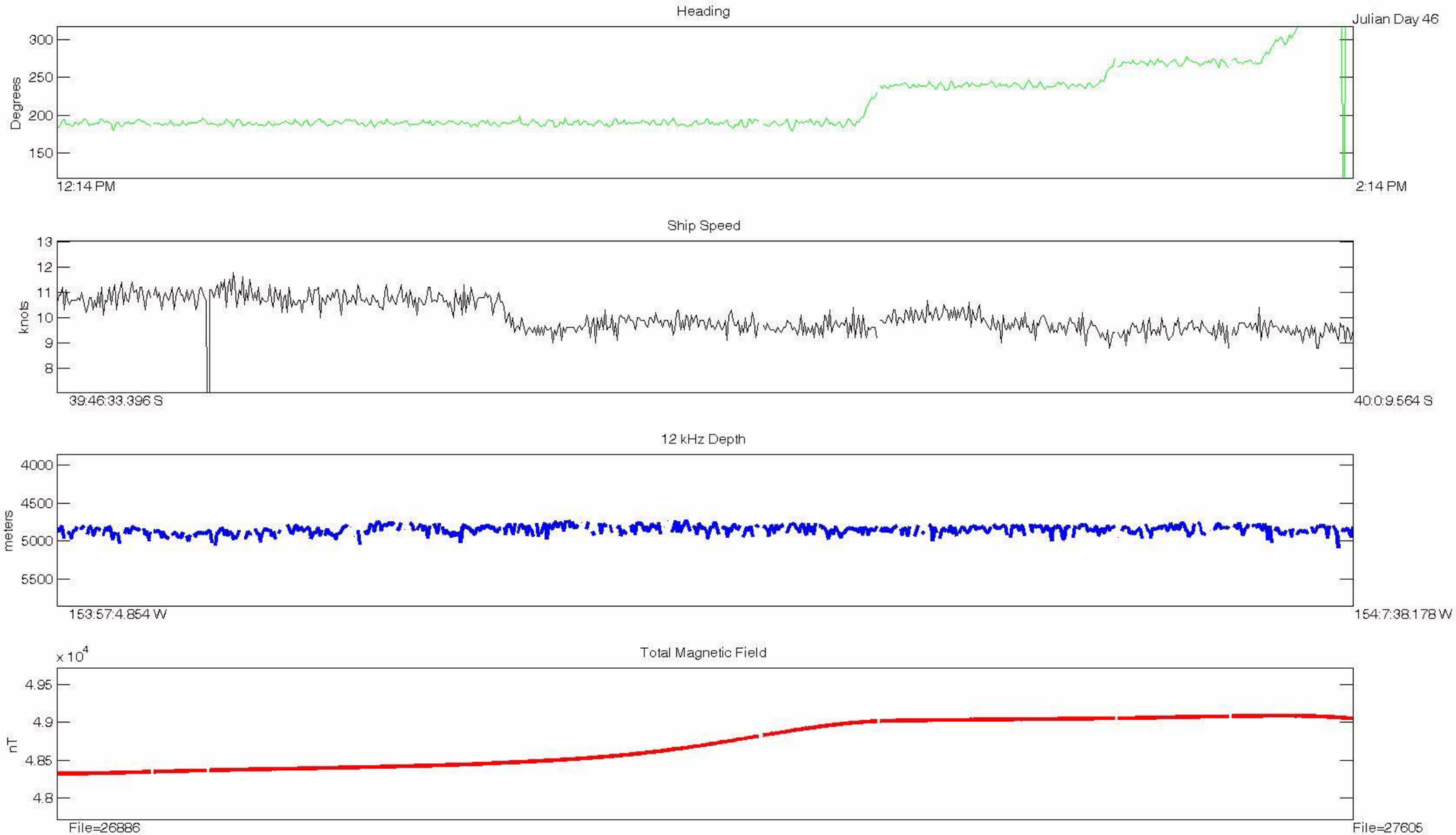

HOUR
9.5
9
8.5
N
S
JD
MINUTE
46
14 19 24 29 34 39 44 49 54 59 4 9 14 19 24 29 34 39 44 49 54 59 4 9
TUIM 3 Seismic
JD 46
6 km
Two way travel time (ms)
Time (ms)
6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900

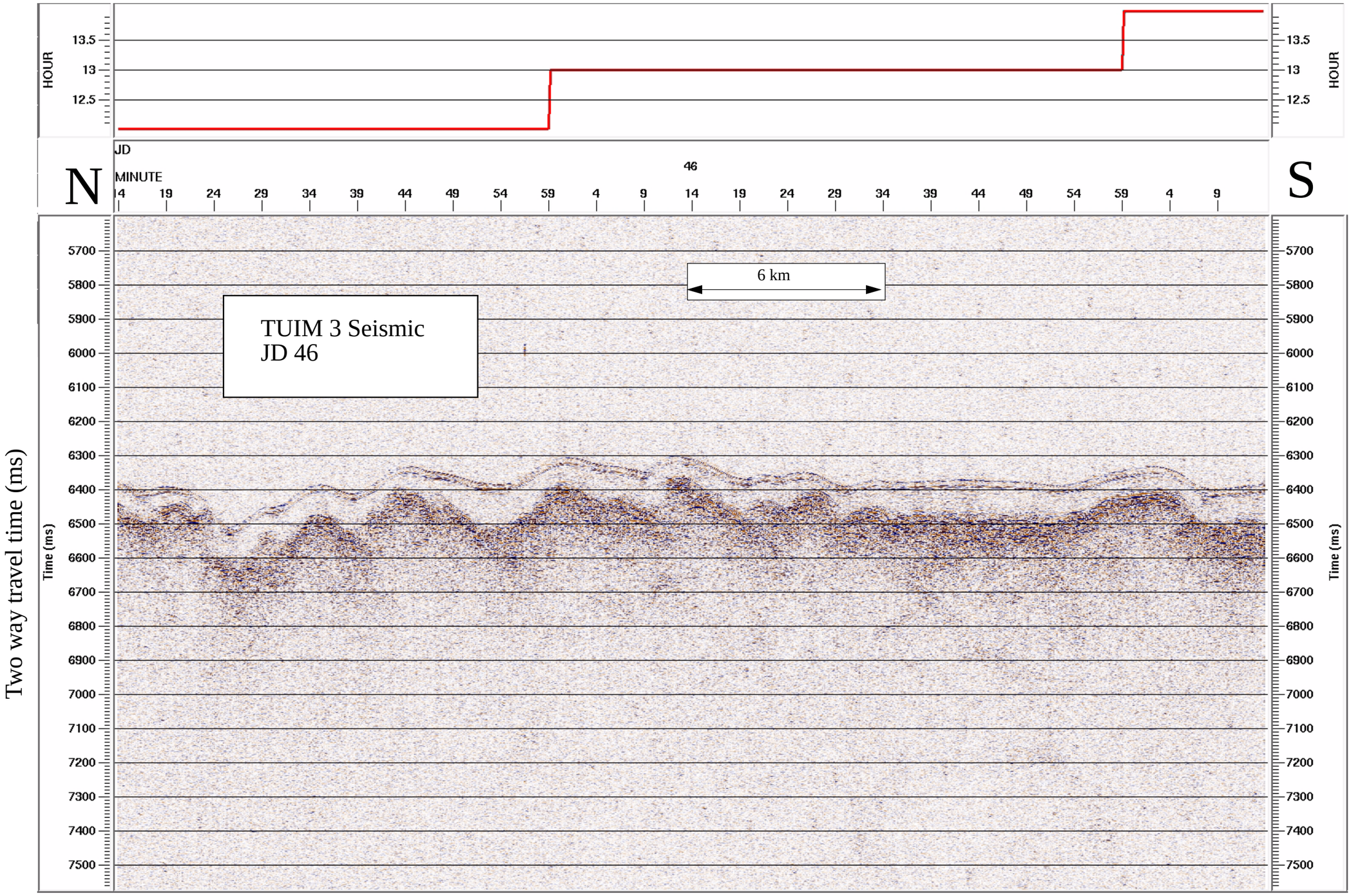

Heading
Julian Day 46
Degrees
250
200
150
100
8:14 AM
10:14 AM
Ship Speed
knots
13
12
11
10
9
8
39:5:26.652 S
39:25:29.862 S
12 kHz Depth
meters
4500
5000
5500
6000
153:48:12.852 W
153:52:31.914 W
Total Magnetic Field
x 10^4
nT
4.9
4.85
4.8
4.75
File=25446
File=26165

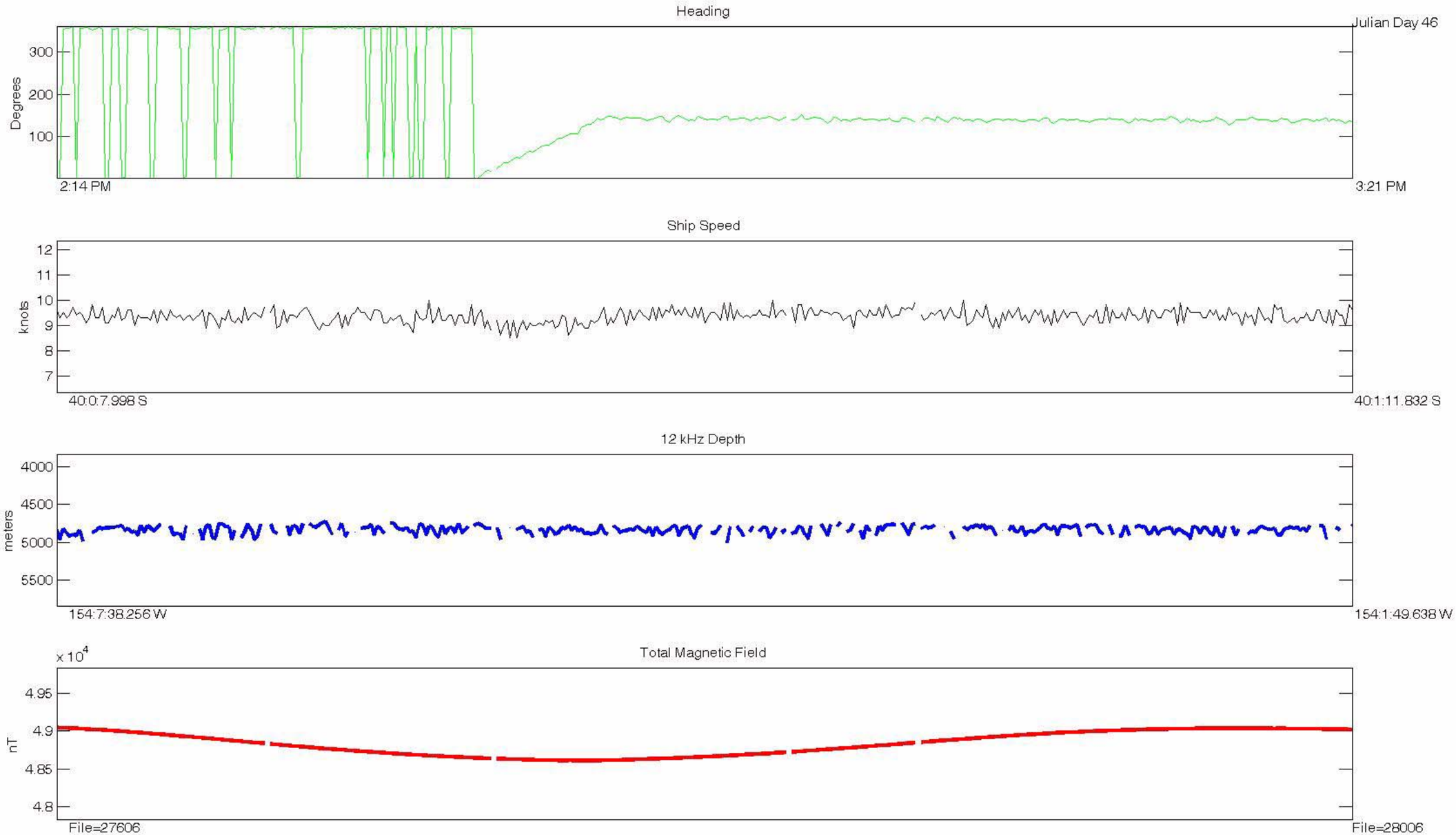

HOUR
11.5
11
10.5
N
S
JD
MINUTE
46
14 19 24 29 34 39 44 49 54 59 4 9 14 19 24 29 34 39 44 49 54 59 4 9
6 km
TUIM 3 Seismic
JD 46
Two way travel time (ms)
Time (ms)
5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500

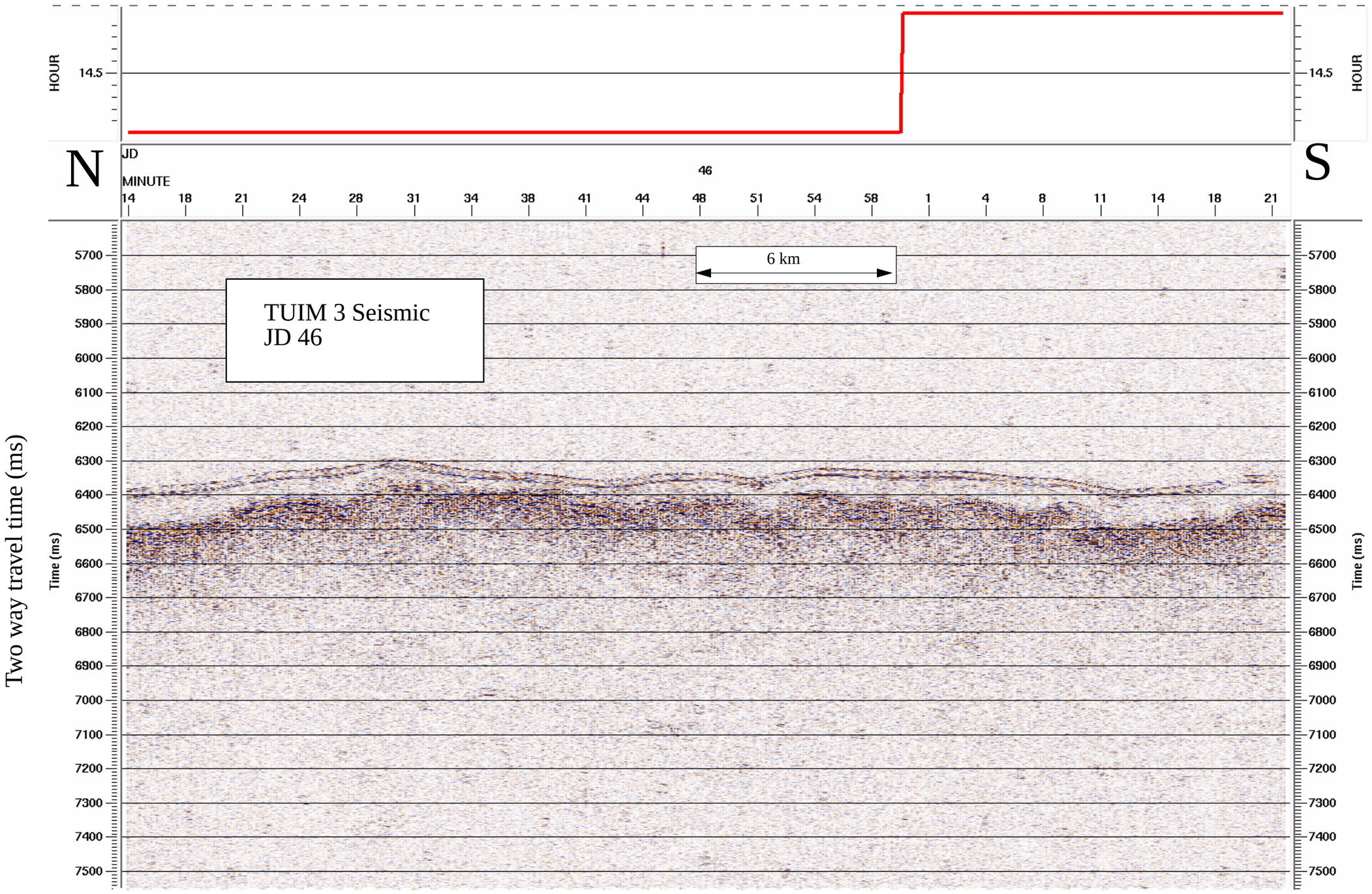
Data File SBfixavg.2005feb15.1200-1800



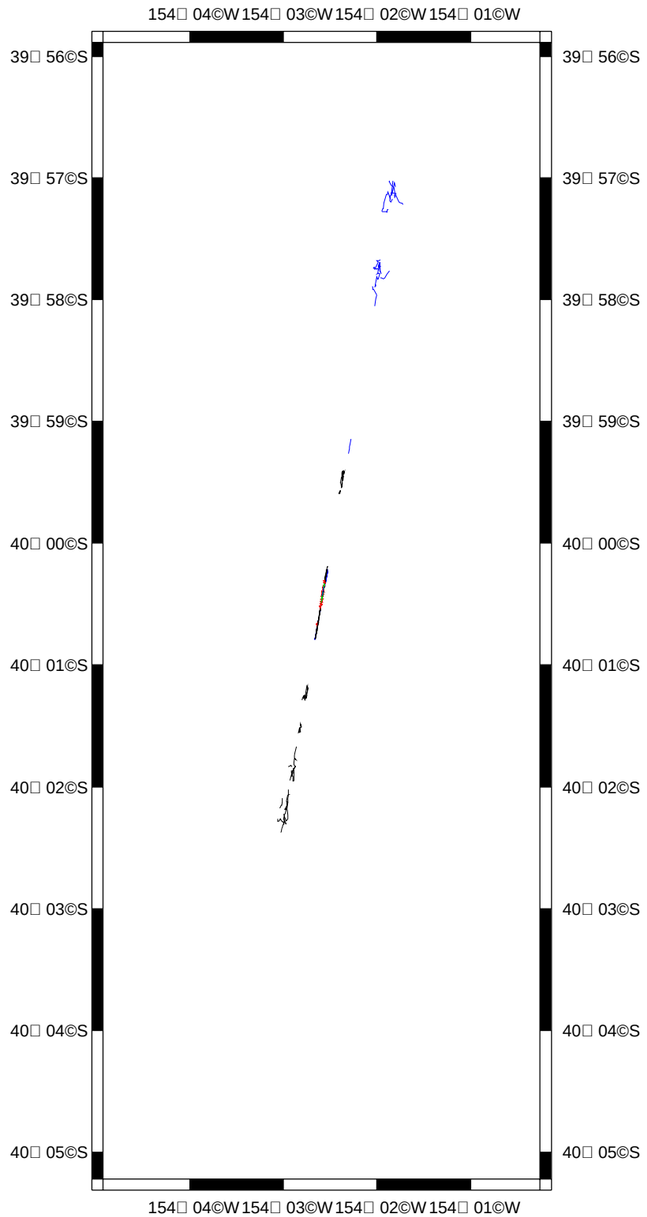

Heading
Julian Day 46
300
250
200
150
Degrees
12:14 PM
2:14 PM
Ship Speed
13
12
11
10
9
8
knots
39:46:33.396 S
40:0:9.564 S
12 kHz Depth
4000
4500
5000
5500
meters
153:57:4.854 W
154:7:38.178 W
Total Magnetic Field
x 10^4
4.95
4.9
4.85
4.8
nT
File=26886
File=27605


HOUR
13.5
13
12.5
N
S
JD
MINUTE
46
14 19 24 29 34 39 44 49 54 59 4 9 14 19 24 29 34 39 44 49 54 59 4 9
6 km
TUIM 3 Seismic
JD 46
Time (ms)
5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500
Two way travel time (ms)


Heading
Julian Day 46
Degrees
300
200
100
2:14 PM
3:21 PM
Ship Speed
knots
12
11
10
9
8
7
40:0:7.998 S
40:1:11.832 S
12 kHz Depth
meters
4000
4500
5000
5500
154:7:38.256 W
154:1:49.638 W
Total Magnetic Field
x 10^4
nT
4.95
4.9
4.85
4.8
File=27606
File=28006

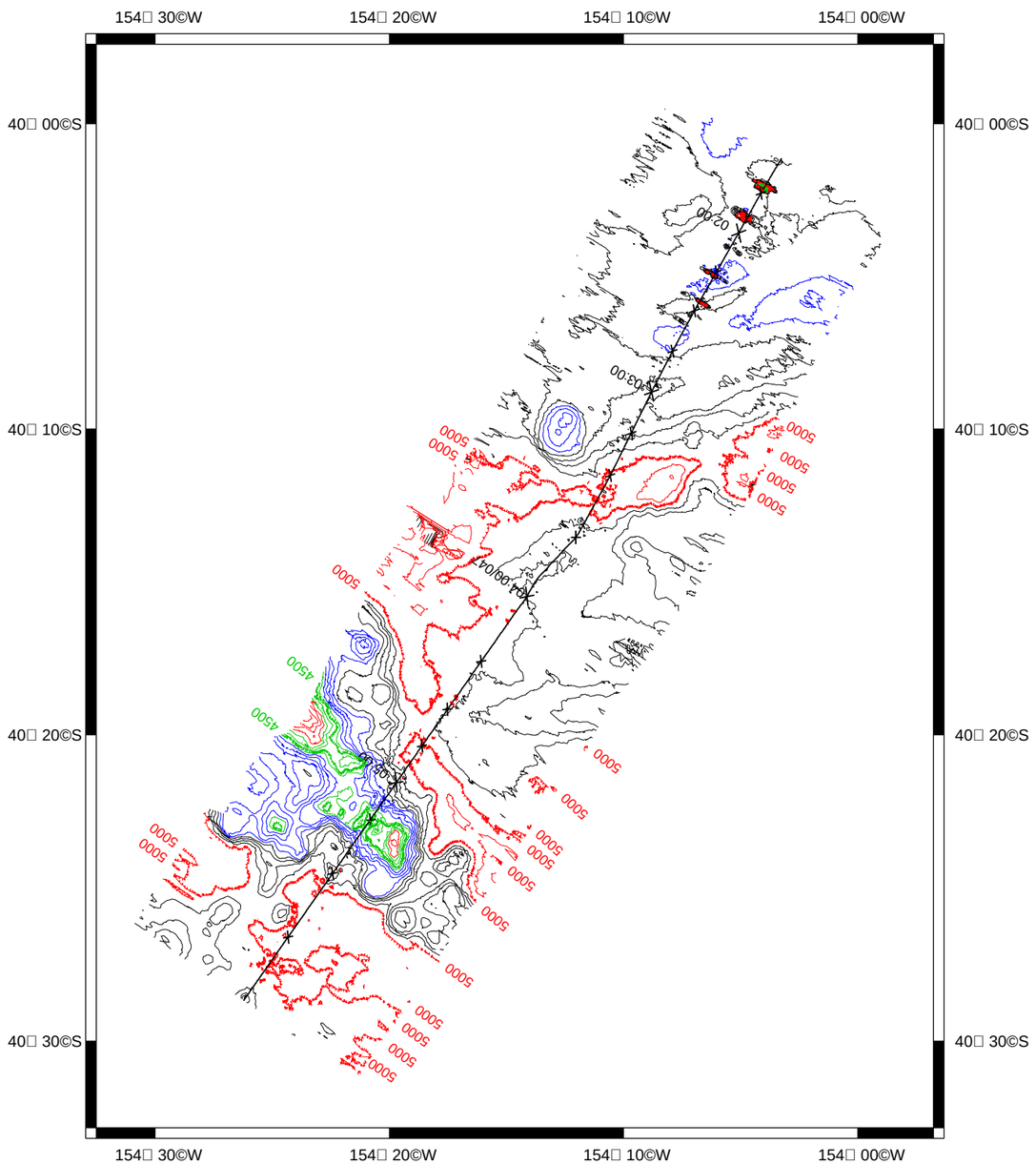

HOUR
14.5
N
JD
MINUTE
46
14 18 21 24 28 31 34 38 41 44 48 51 54 58 1 4 8 11 14 18 21
S
6 km
TUIM 3 Seismic
JD 46
Two way travel time (ms)
Time (ms)
5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500

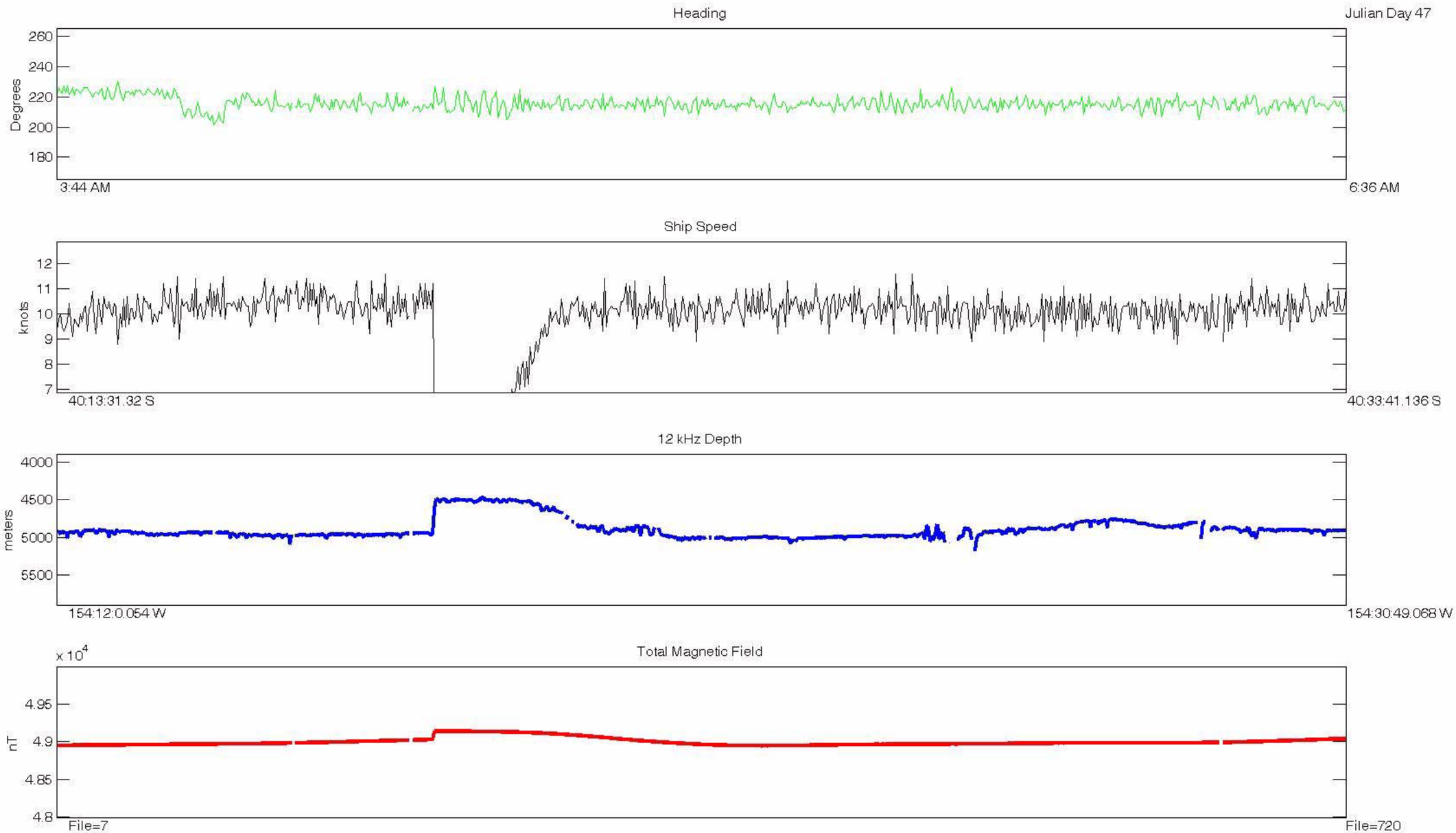
Data File SBfixavg.2005feb15.1800-2400



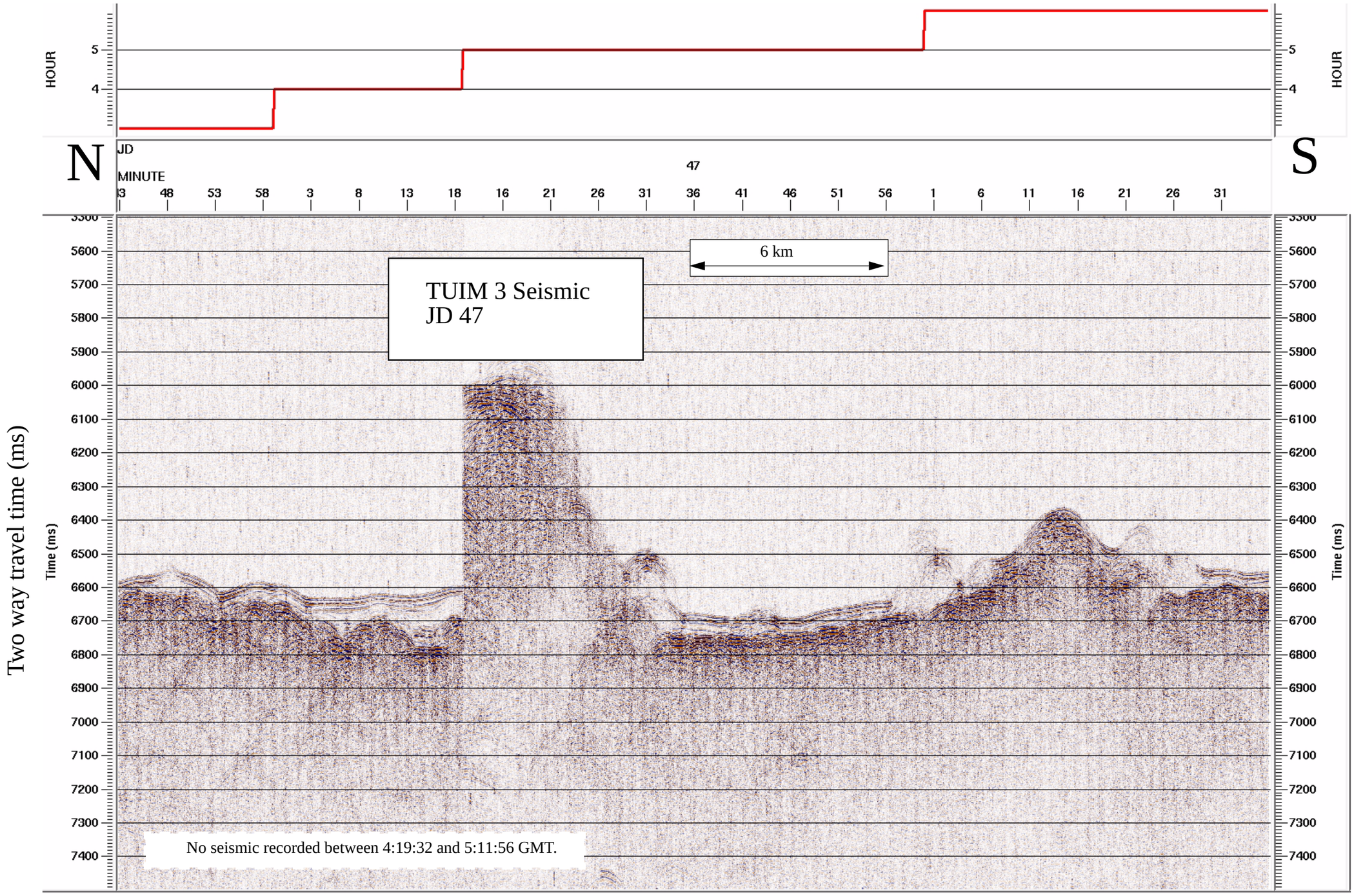
Julian Day 47
16 February 2005
150 c.i GI gun Source,
4-channel SIO streamer

Data File SBfixavg.2005feb16.0000-0600

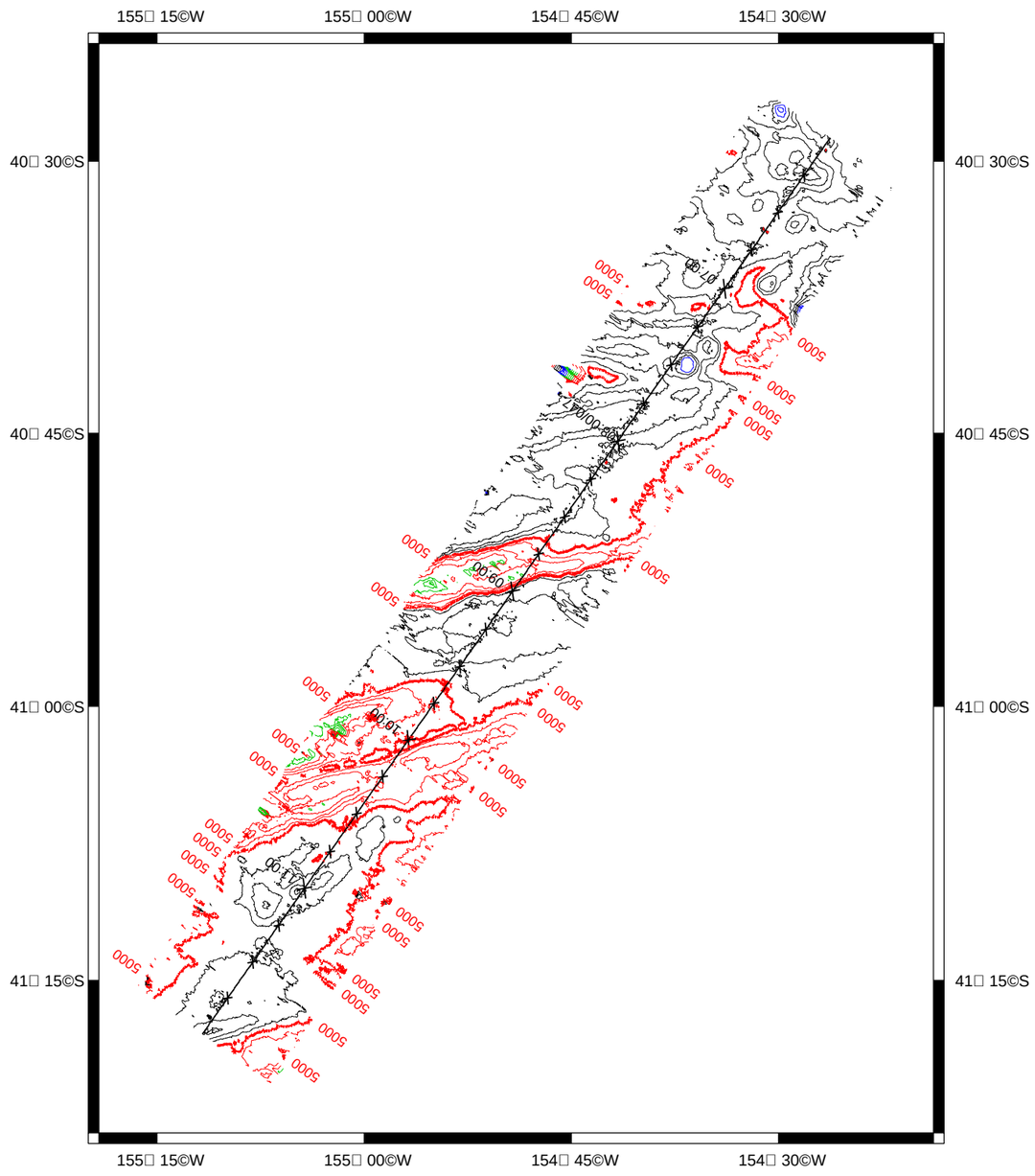


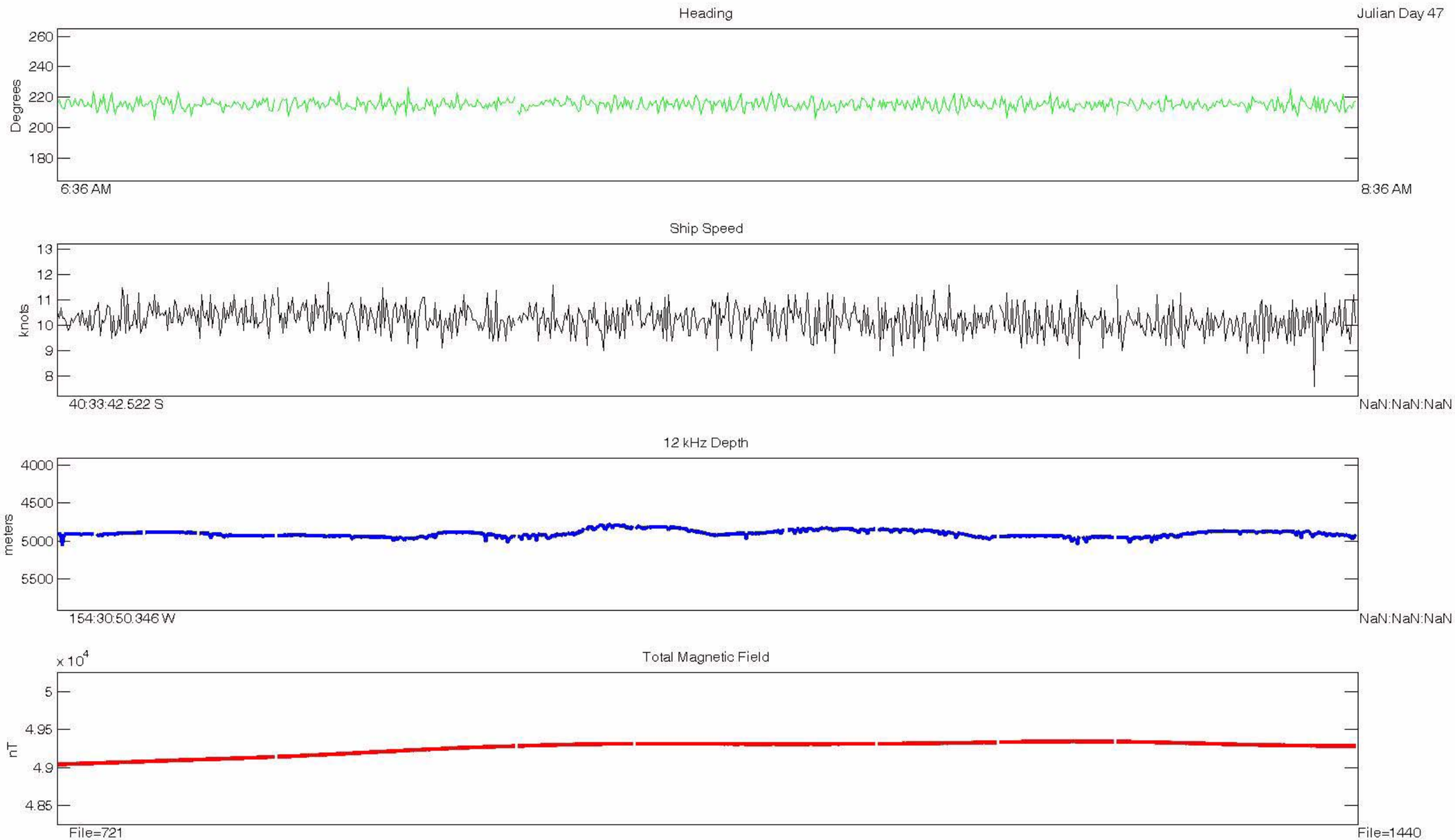


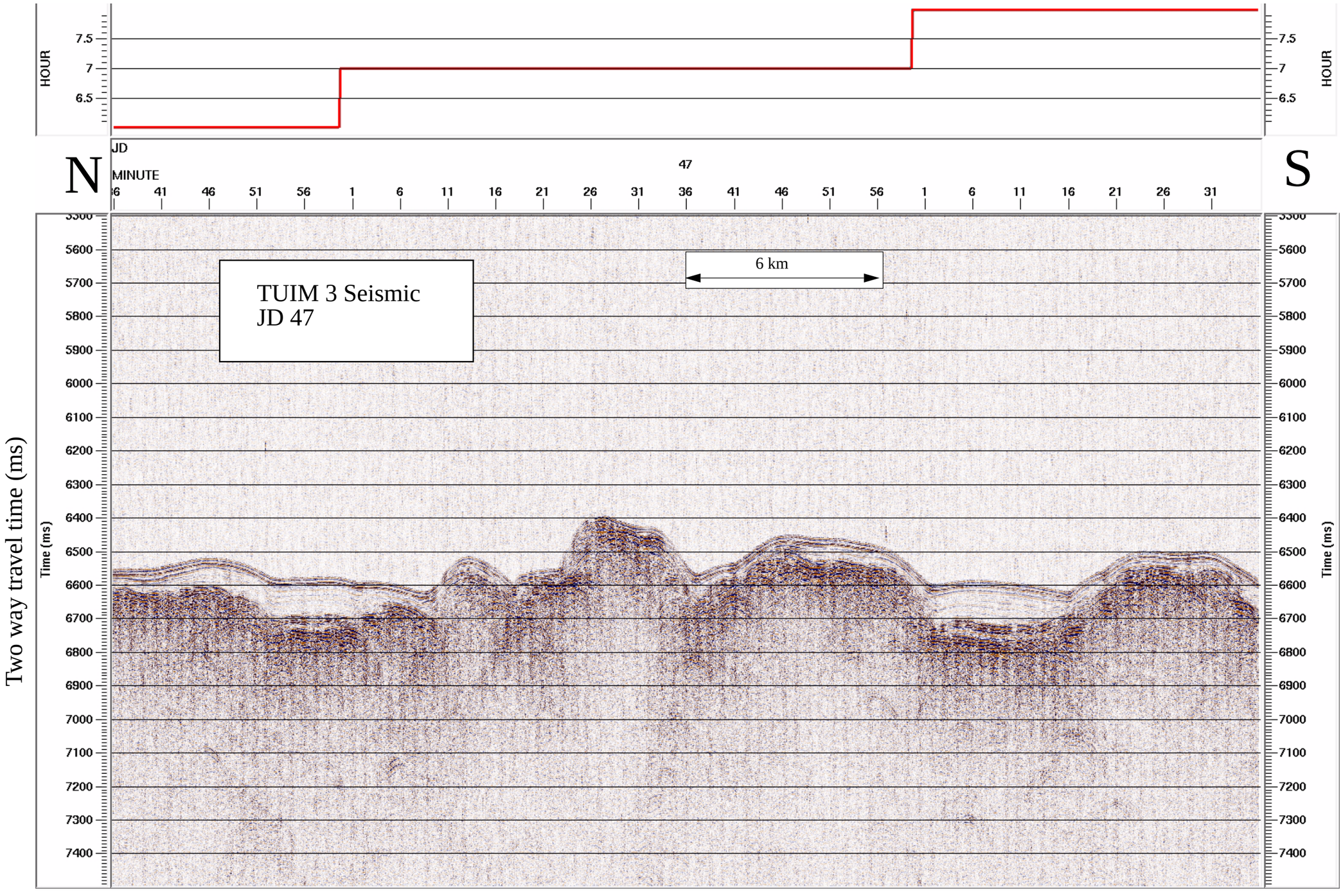
No seismic recorded between 4:19:32 and 5:11:56 GMT.

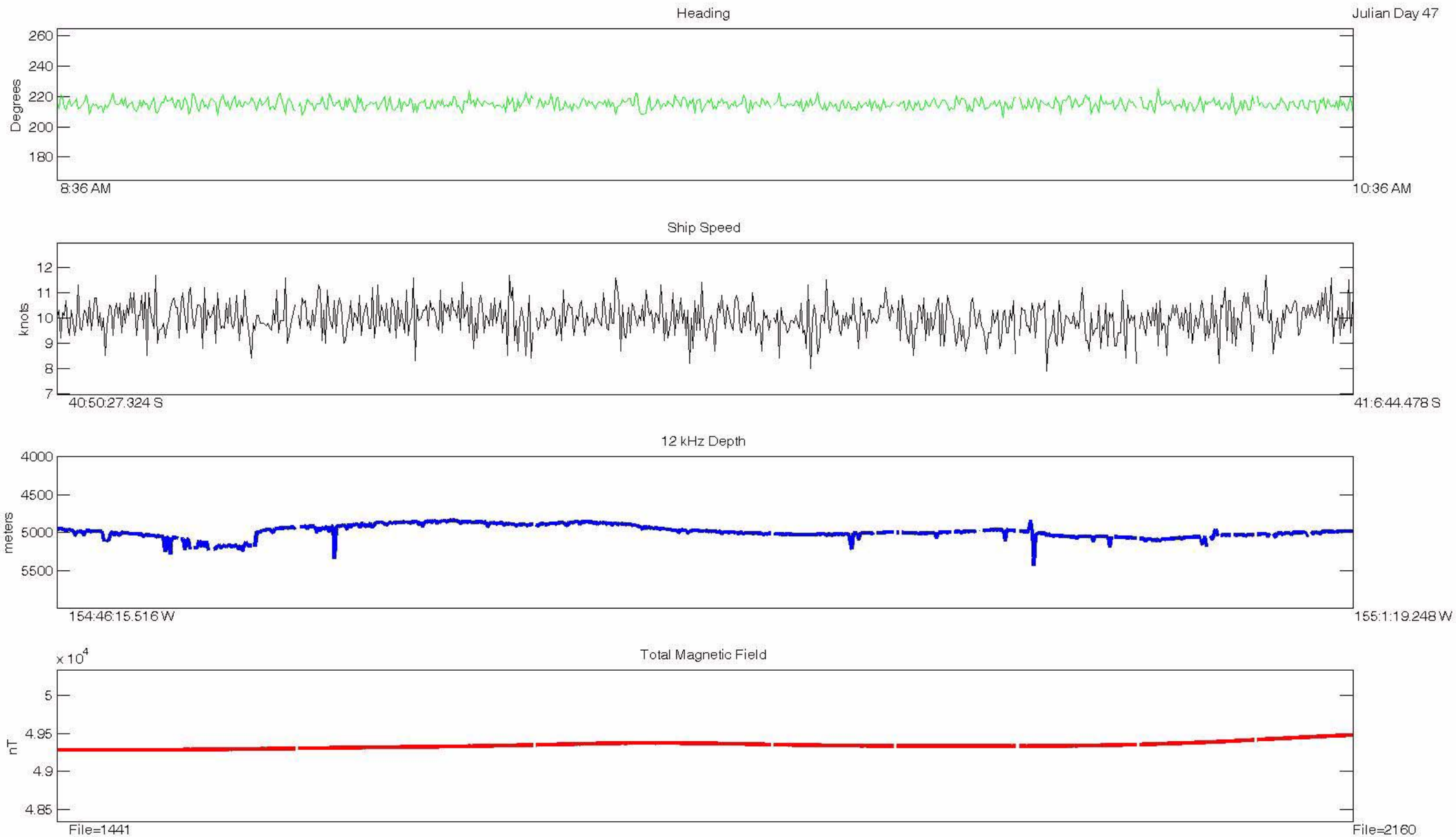

HOUR
5
4
N
S
JD
MINUTE
47
6 km
TUIM 3 Seismic
JD 47
Time (ms)
5600
5700
5800
5900
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
No seismic recorded between 4:19:32 and 5:11:56 GMT.
Two way travel time (ms)

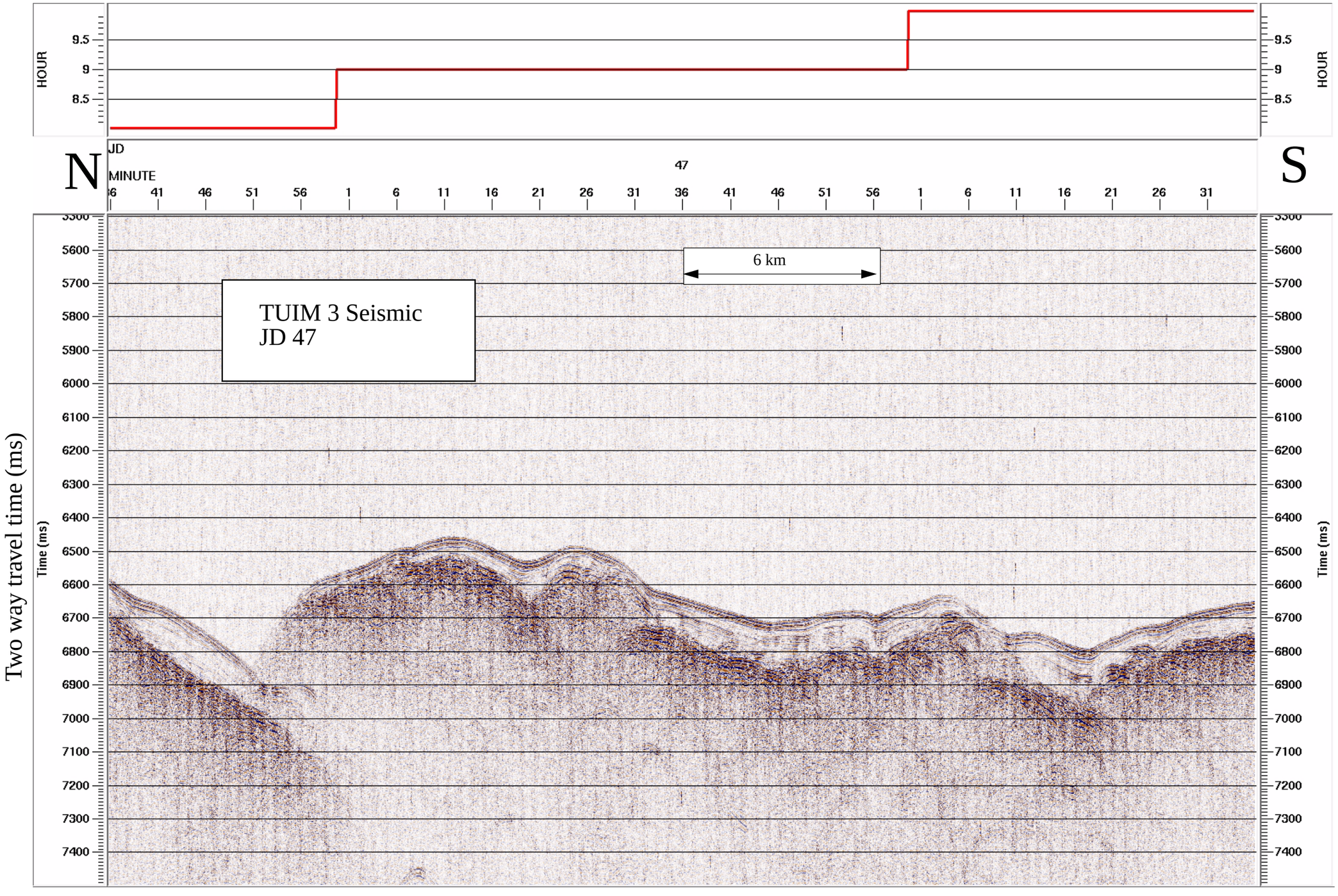
Data File SBfixavg.2005feb16.0600-1200



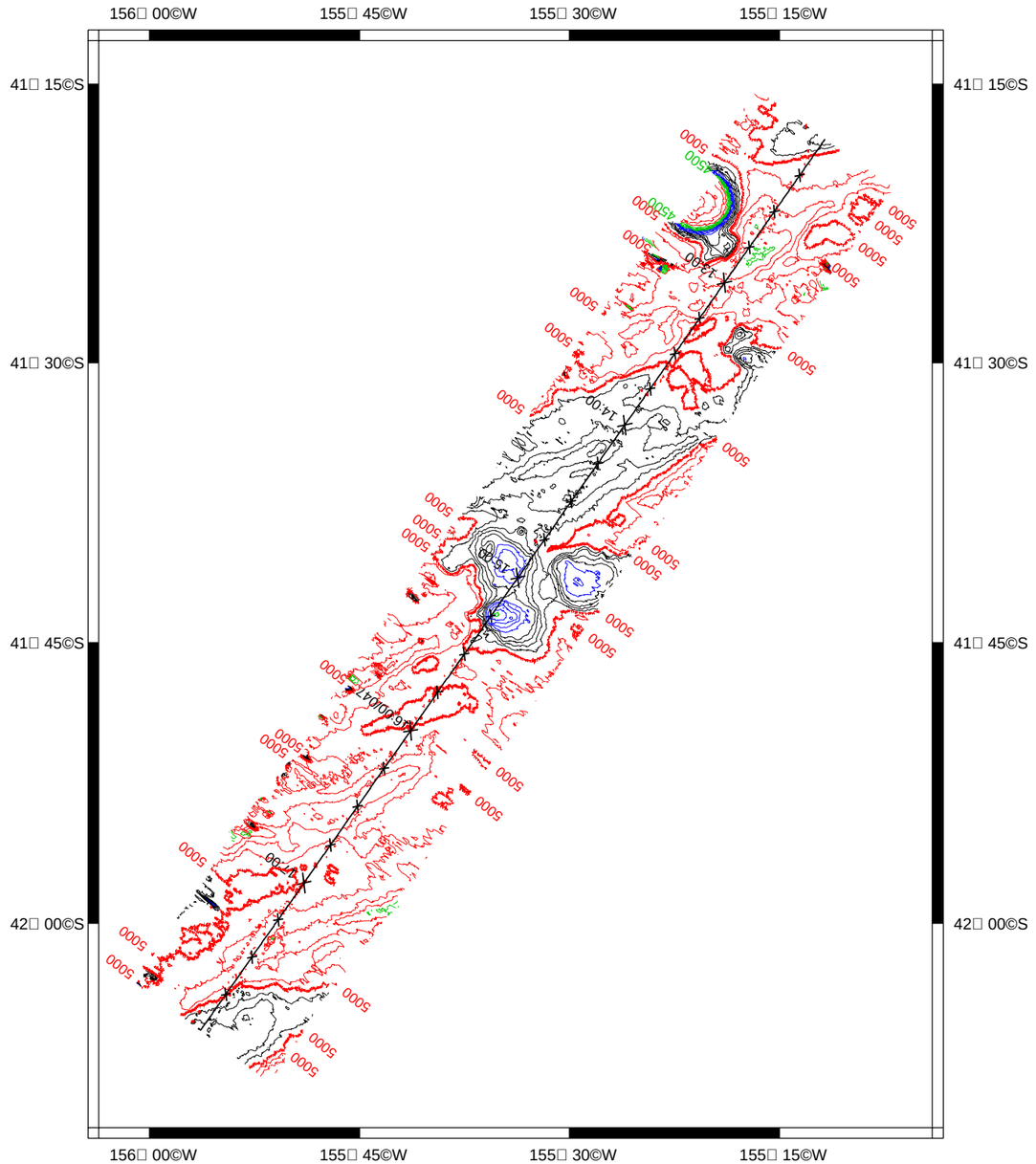

Heading
Julian Day 47
Degrees
260
240
220
200
180
6:36 AM
8:36 AM
Ship Speed
knots
13
12
11
10
9
8
40:33:42.522 S
NaN:NaN:NaN S
12 kHz Depth
meters
4000
4500
5000
5500
154:30:50.346 W
NaN:NaN:NaN W
x 10^4
Total Magnetic Field
nT
5
4.95
4.9
4.85
File=721
File=1440

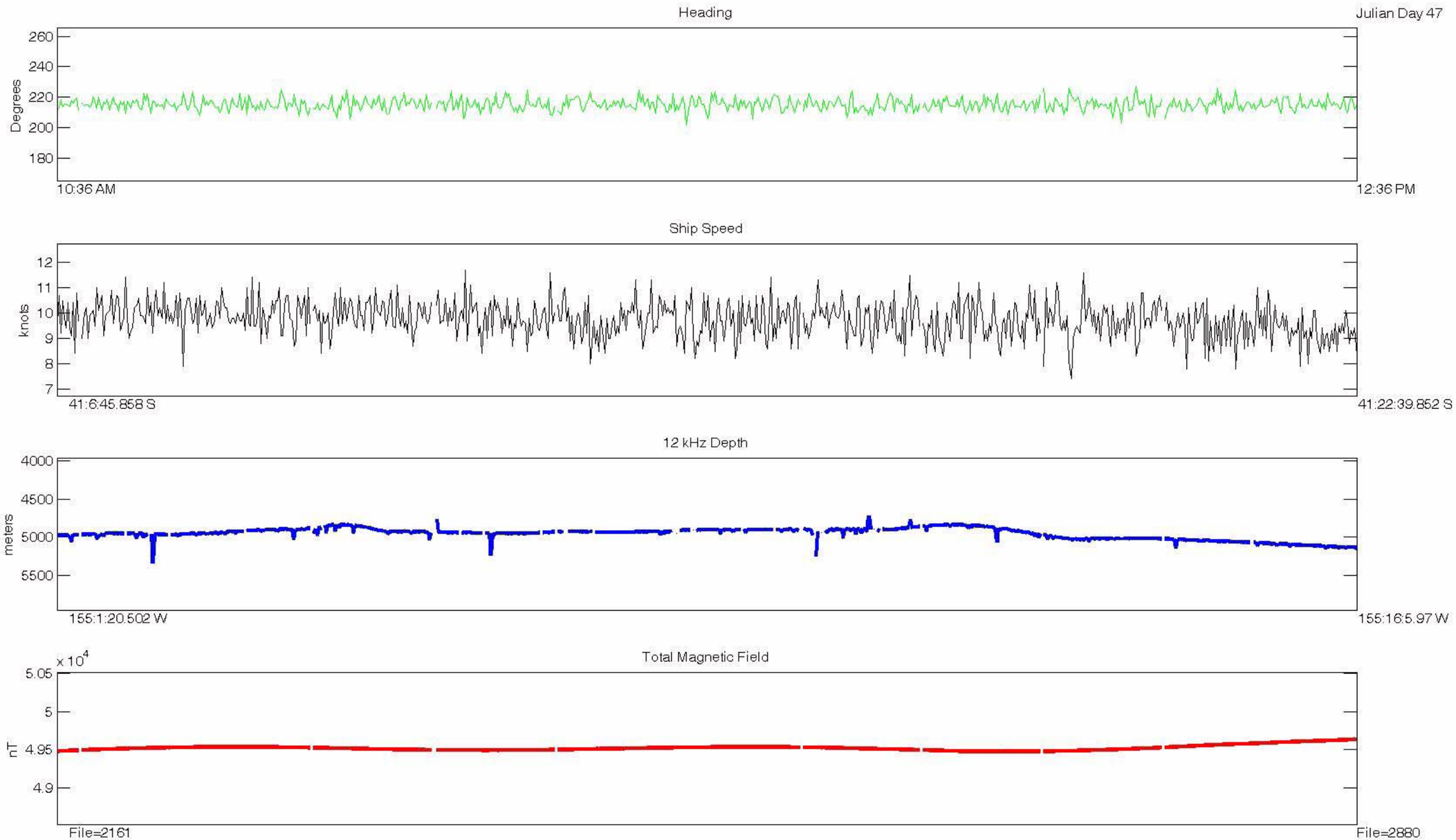

HOUR
7.5
7
6.5
JD
47
MINUTE
N
S
6 km
TUIM 3 Seismic
JD 47
Time (ms)
Two way travel time (ms)

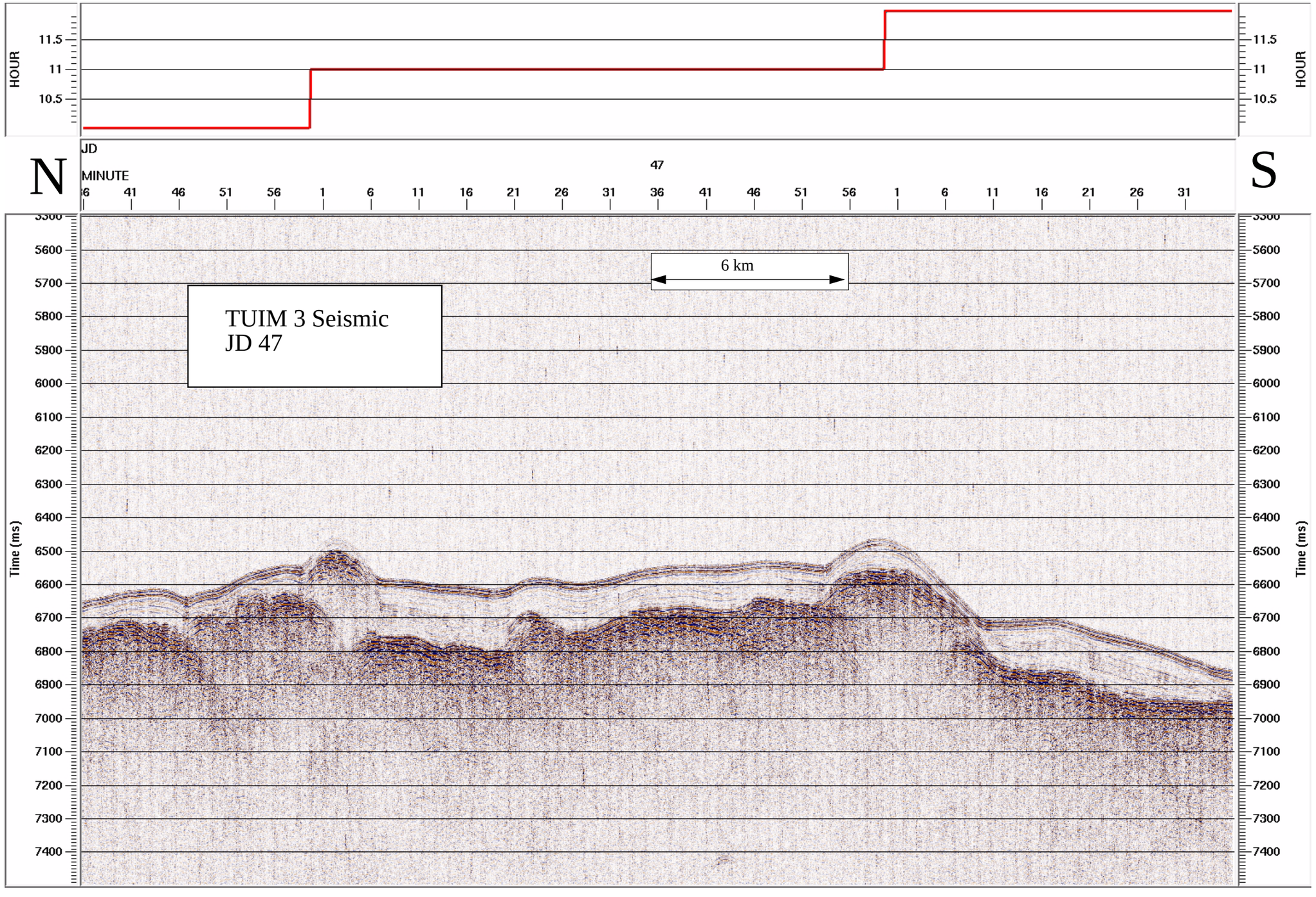

Heading
Julian Day 47
Degrees
260
240
220
200
180
8:36 AM
10:36 AM
Ship Speed
knots
12
11
10
9
8
7
40:50:27.324 S
41:6:44.478 S
12 kHz Depth
meters
4000
4500
5000
5500
154:46:15.516 W
155:1:19.248 W
Total Magnetic Field
x 10^4
nT
5
4.95
4.9
4.85
File=1441
File=2160

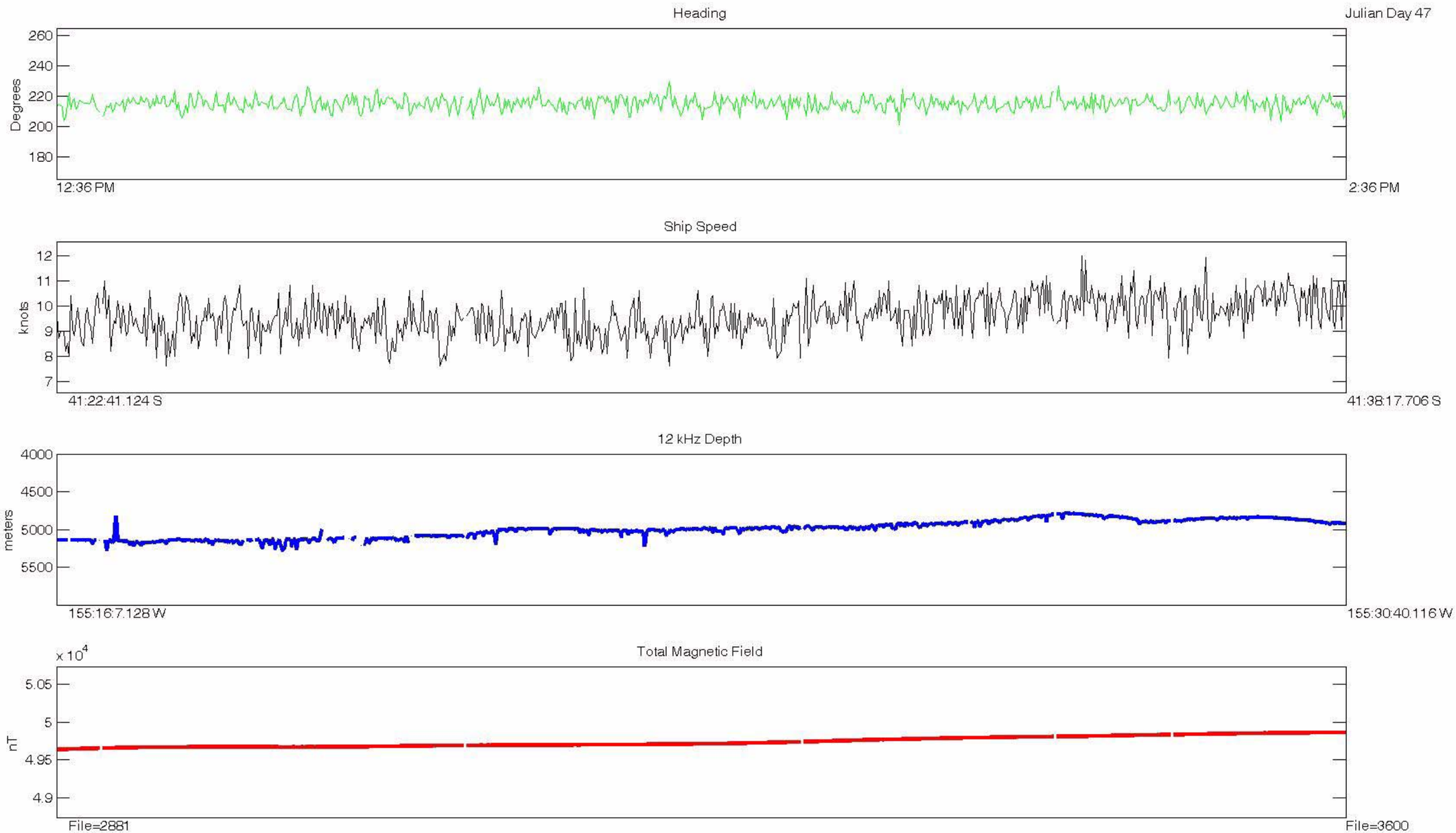

HOUR
9.5
9
8.5
N
S
JD
47
MINUTE
6 km
TUIM 3 Seismic
JD 47
Time (ms)
5500
5600
5700
5800
5900
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
Two way travel time (ms)

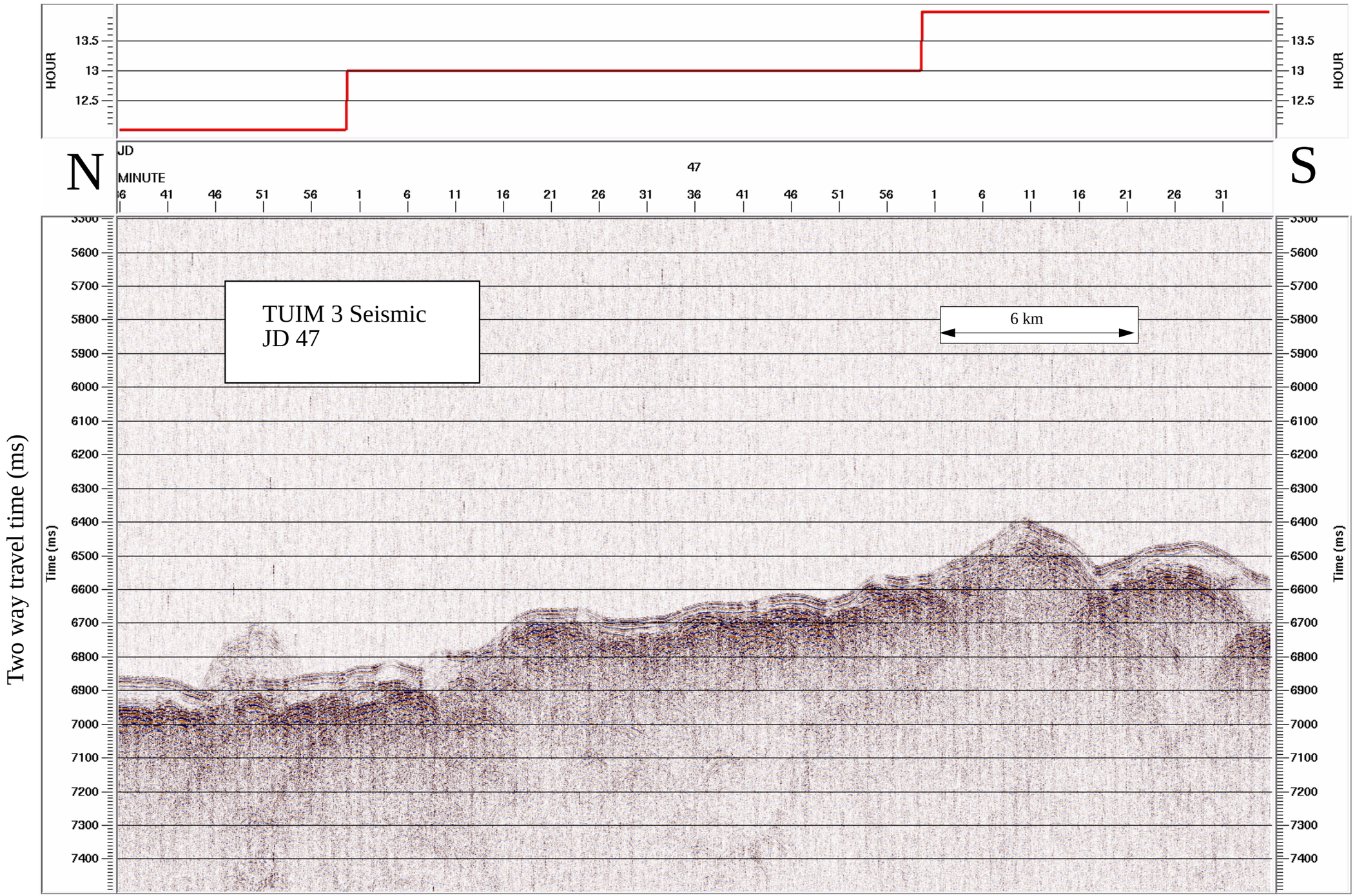
Data File SBfixavg.2005feb16.1200-1800

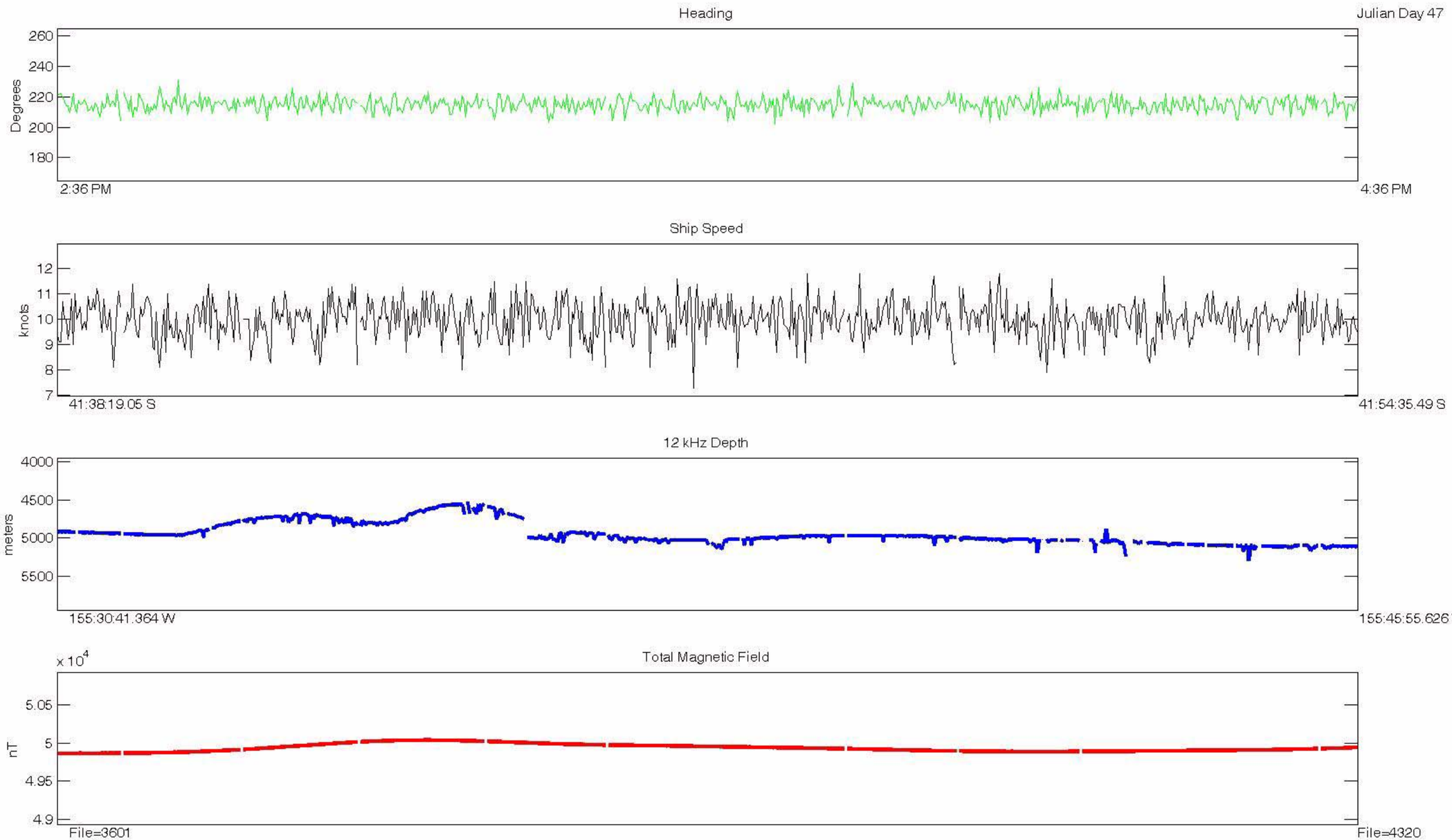


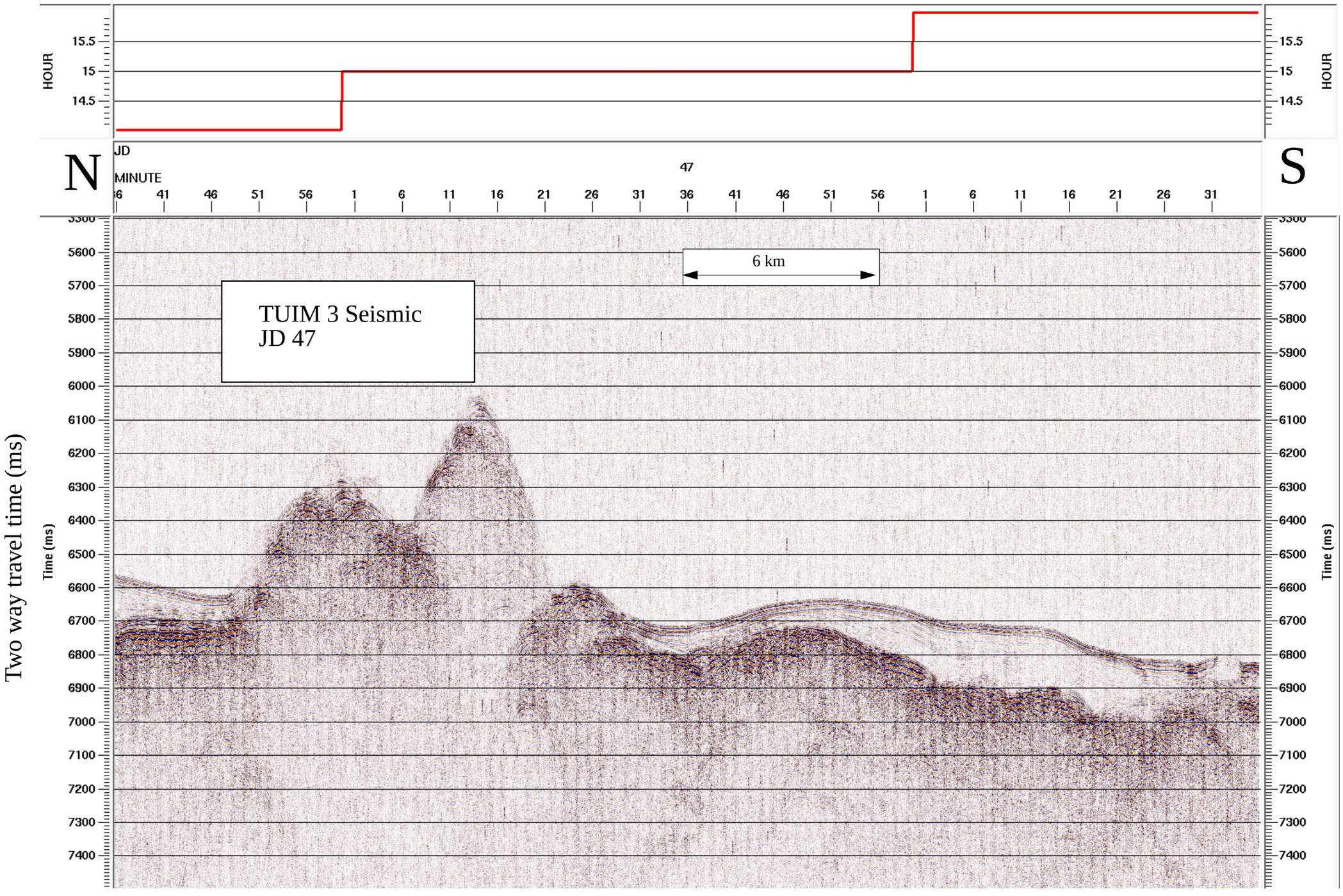

Heading
Julian Day 47
Degrees
260
240
220
200
180
10:36 AM
12:36 PM
Ship Speed
knots
12
11
10
9
8
7
41:6:45.858 S
41:22:39.852 S
12 kHz Depth
meters
4000
4500
5000
5500
155:1:20.502 W
155:16:5.97 W
Total Magnetic Field
x 10^4
nT
5.05
5
4.95
4.9
File=2161
File=2880

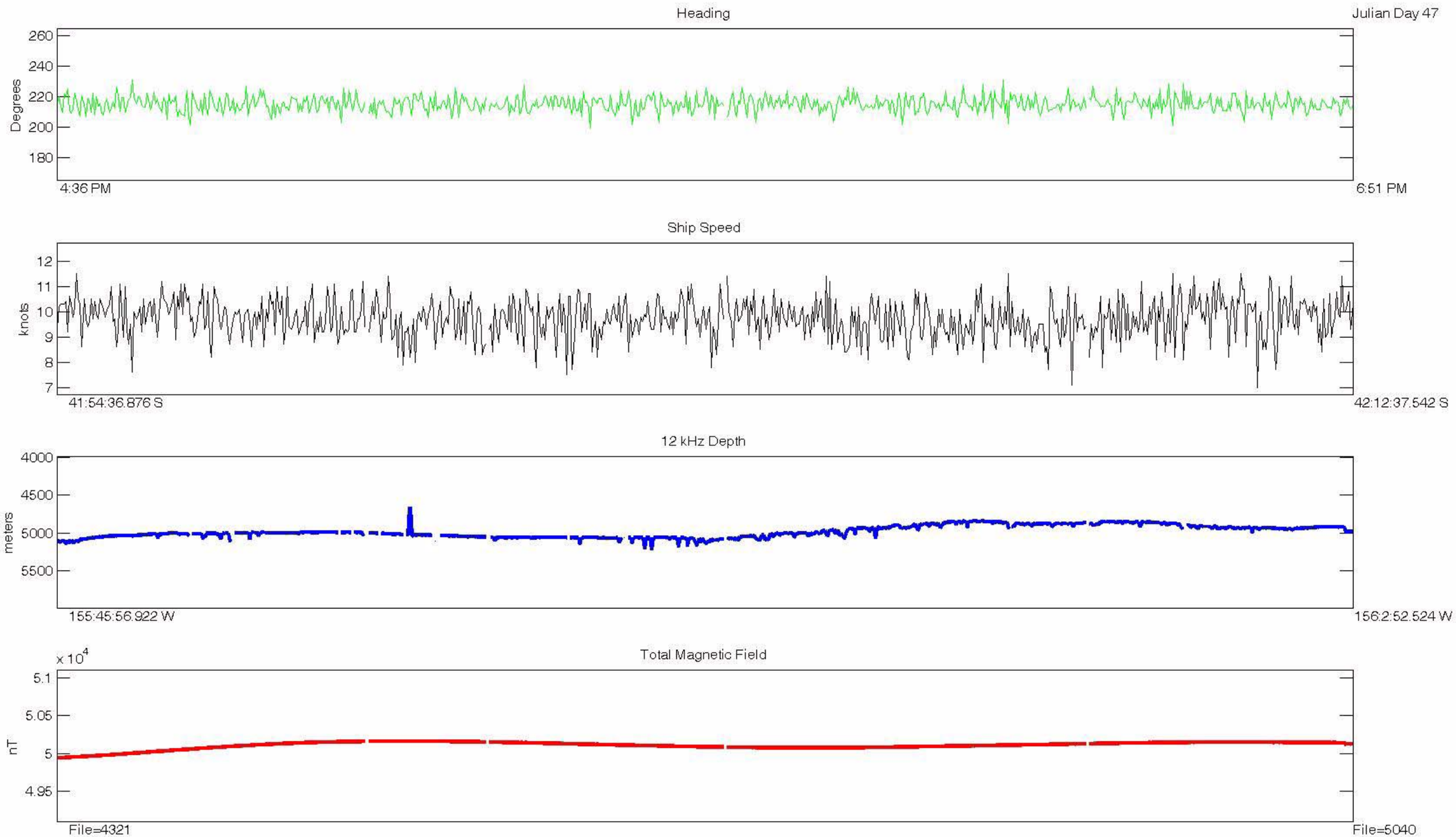

HOUR
11.5
11
10.5
N
JD
47
MINUTE
S
6 km
TUIM 3 Seismic
JD 47
Time (ms)
5600
5700
5800
5900
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
Two way travel time (ms)

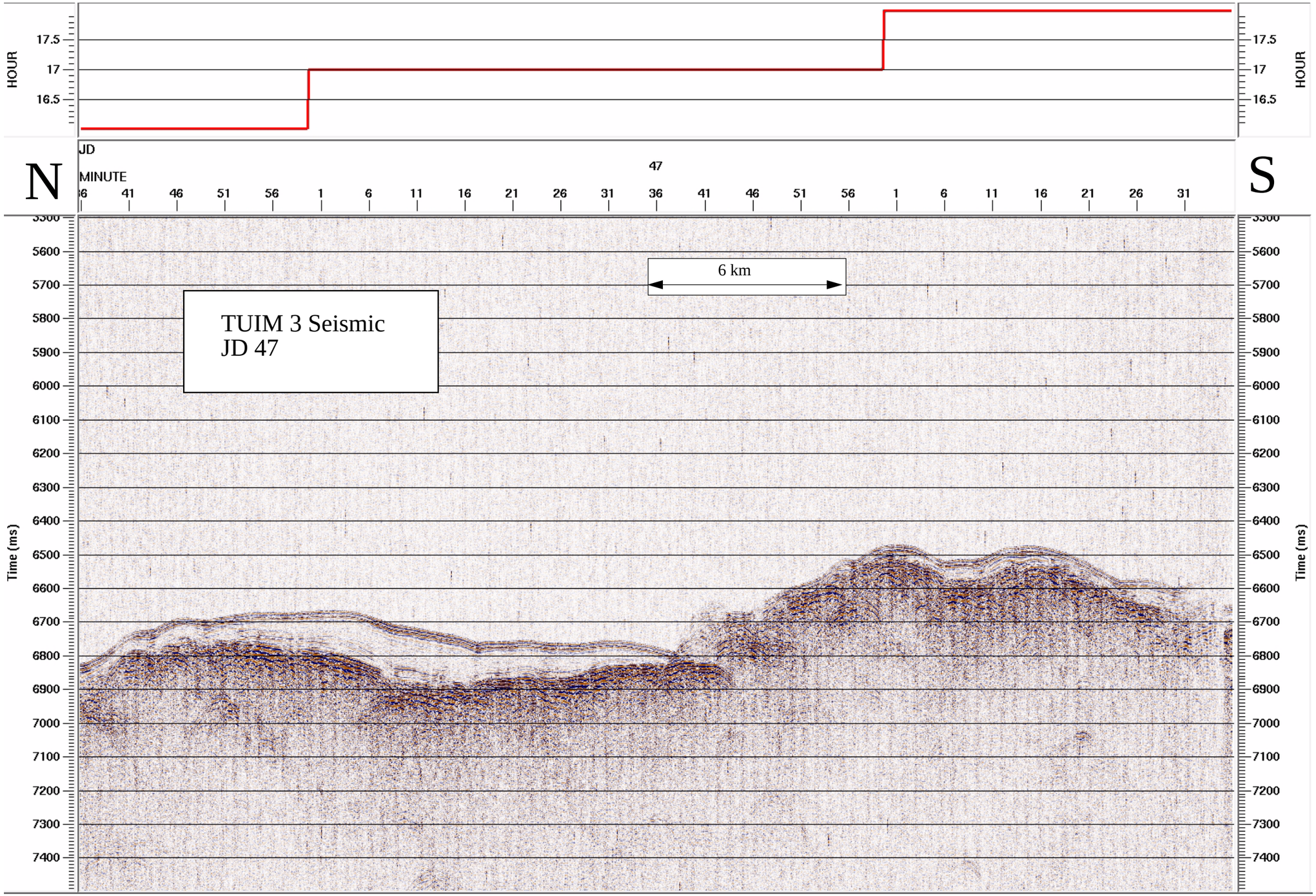

Heading
Julian Day 47
Degrees
260
240
220
200
180
12:36 PM
2:36 PM
Ship Speed
knots
12
11
10
9
8
7
41:22:41.124 S
41:38:17.706 S
12 kHz Depth
meters
4000
4500
5000
5500
155:16:7.128 W
155:30:40.116 W
Total Magnetic Field
x 10^4
nT
5.05
5
4.95
4.9
File=2881
File=3600


HOUR
13.5
13
12.5
N
S
JD
47
MINUTE
TUIM 3 Seismic
JD 47
6 km
Time (ms)
5500
5600
5700
5800
5900
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
Two way travel time (ms)


Heading
Julian Day 47
Degrees
260
240
220
200
180
2:36 PM
4:36 PM
Ship Speed
knots
12
11
10
9
8
7
41:38:19.05 S
41:54:35.49 S
12 kHz Depth
meters
4000
4500
5000
5500
155:30:41.364 W
155:45:55.626 W
Total Magnetic Field
x 10^4
nT
5.05
5
4.95
4.9
File=3601
File=4320

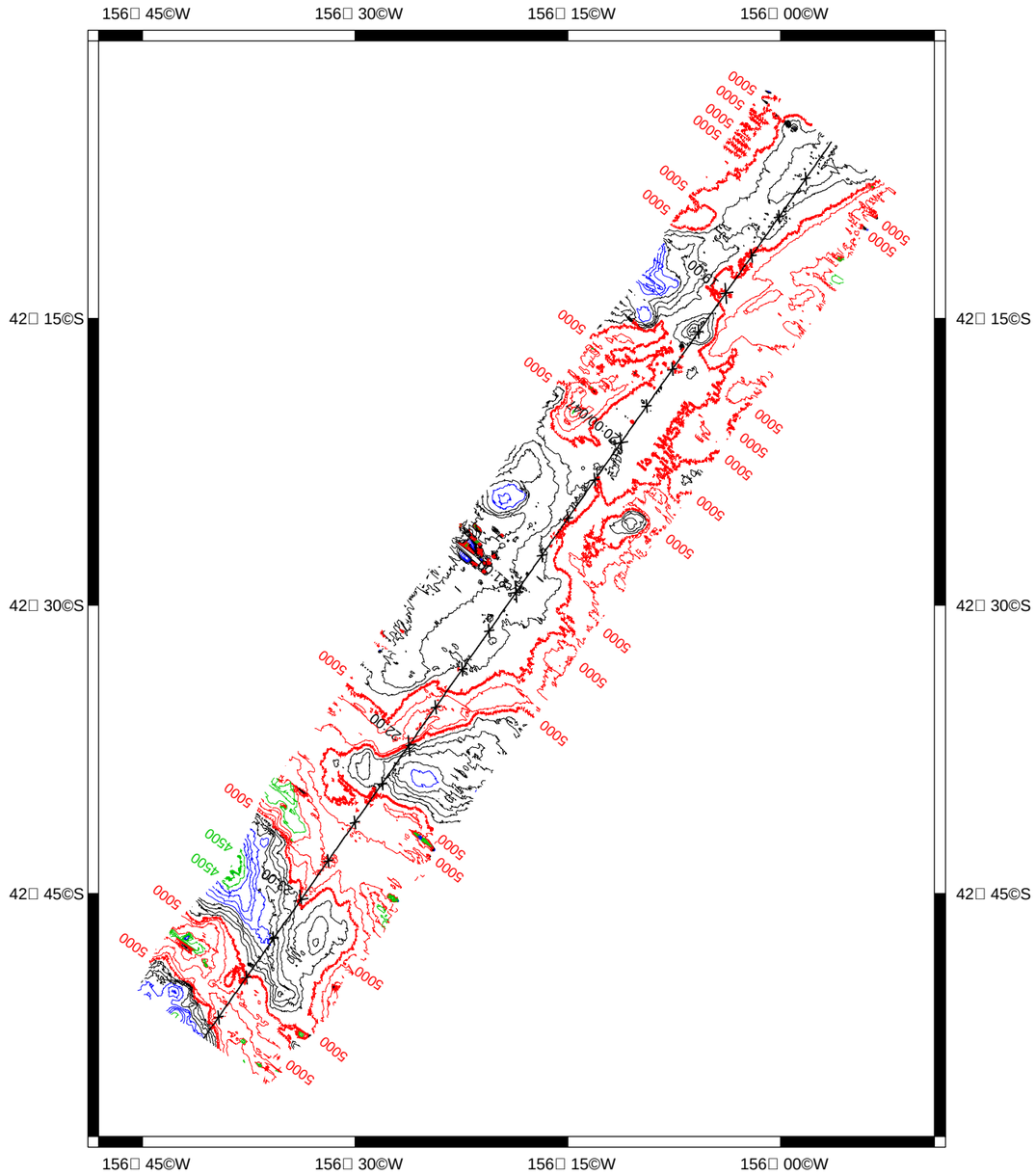

HOUR
15.5
15
14.5
N
S
JD
47
MINUTE
6 km
TUIM 3 Seismic
JD 47
Two way travel time (ms)
Time (ms)
5500
5600
5700
5800
5900
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400

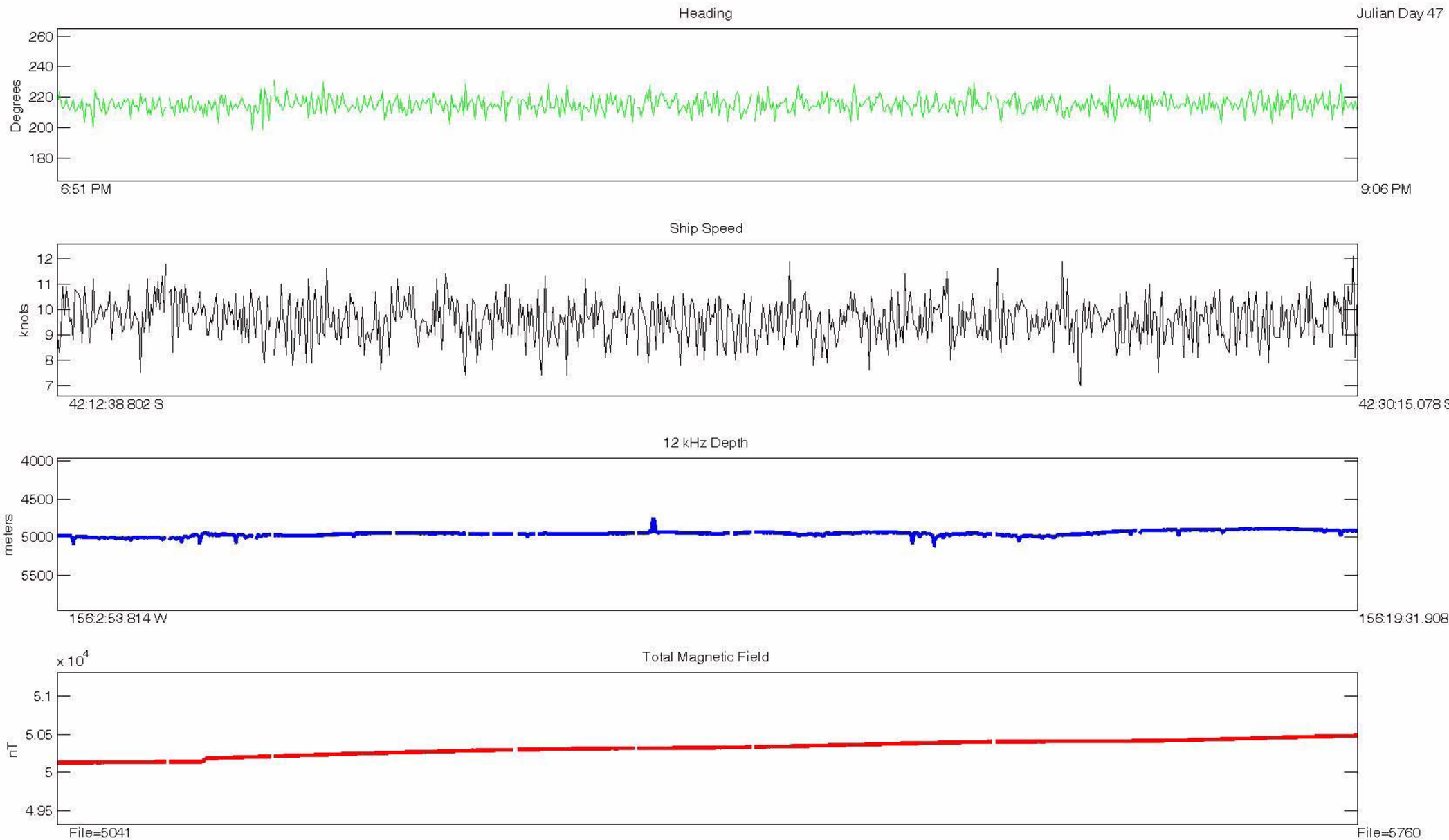

Heading
Julian Day 47
Degrees
260
240
220
200
180
4:36 PM
6:51 PM
Ship Speed
knots
12
11
10
9
8
7
41:54:36.876 S
42:12:37.542 S
12 kHz Depth
meters
4000
4500
5000
5500
155:45:56.922 W
156:2:52.524 W
Total Magnetic Field
x 10^4
nT
5.1
5.05
5
4.95
File=4321
File=5040

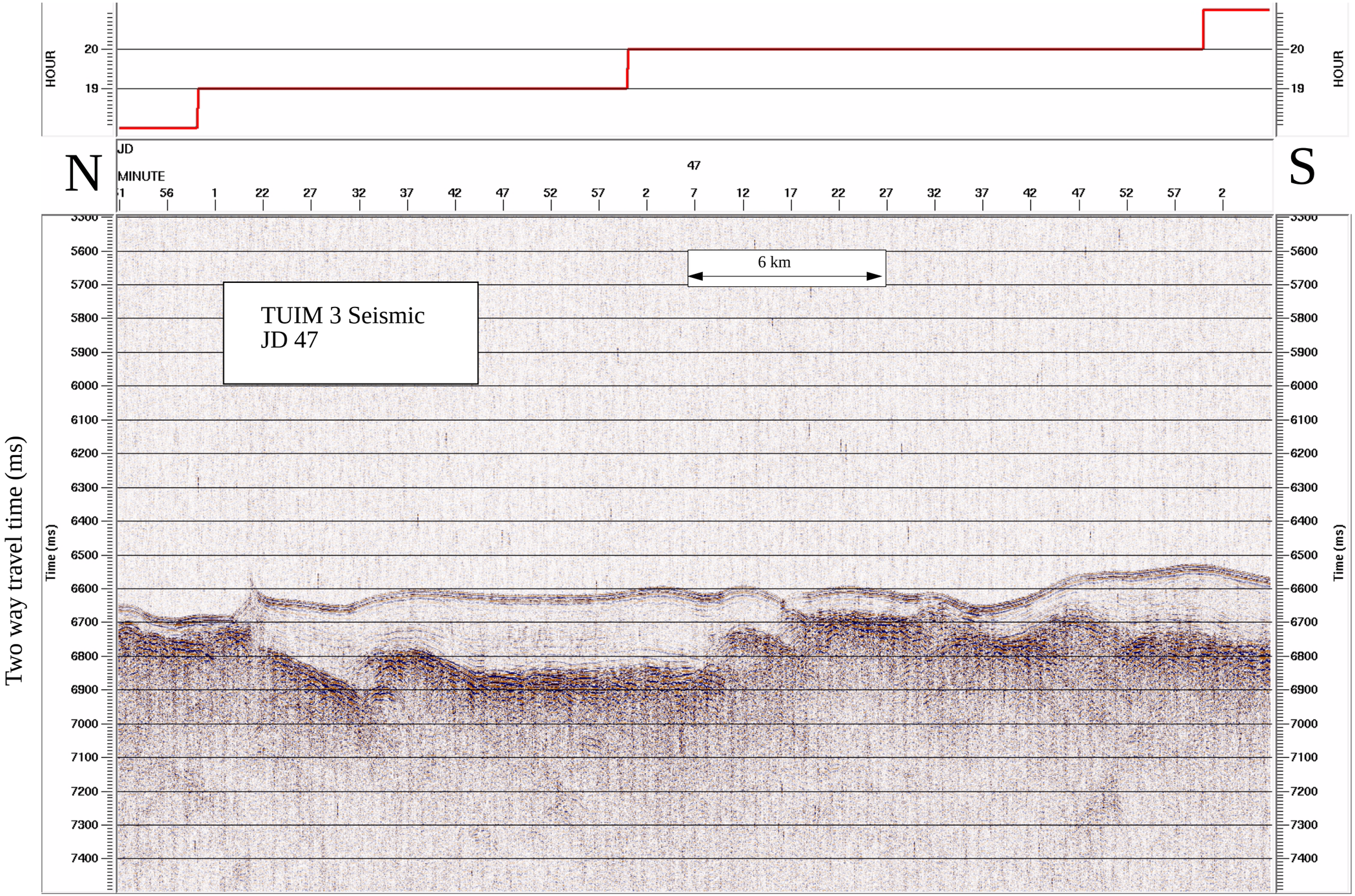


Two way travel time (ms)

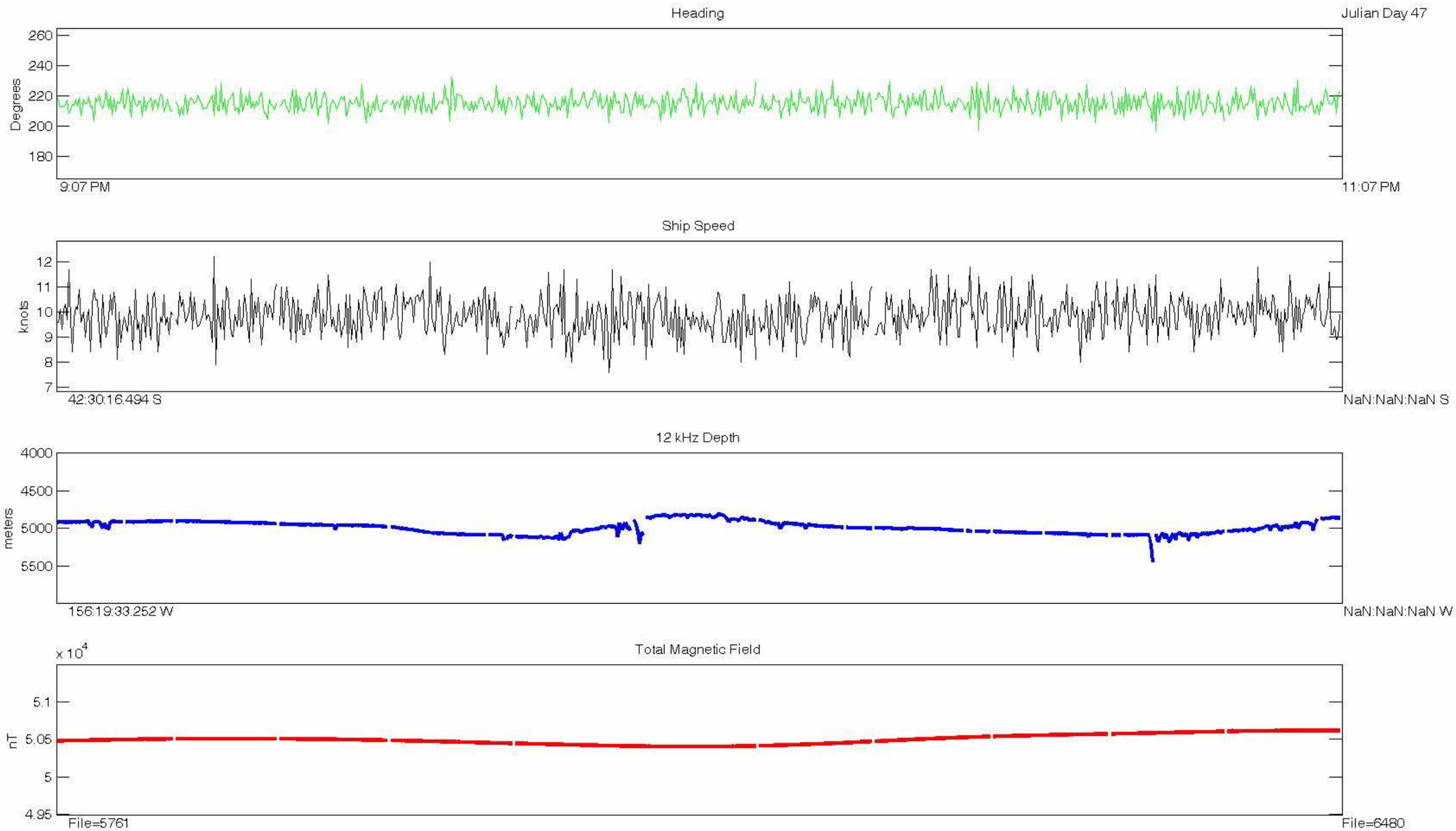
Data File SBfixavg.2005feb16.1800-2400

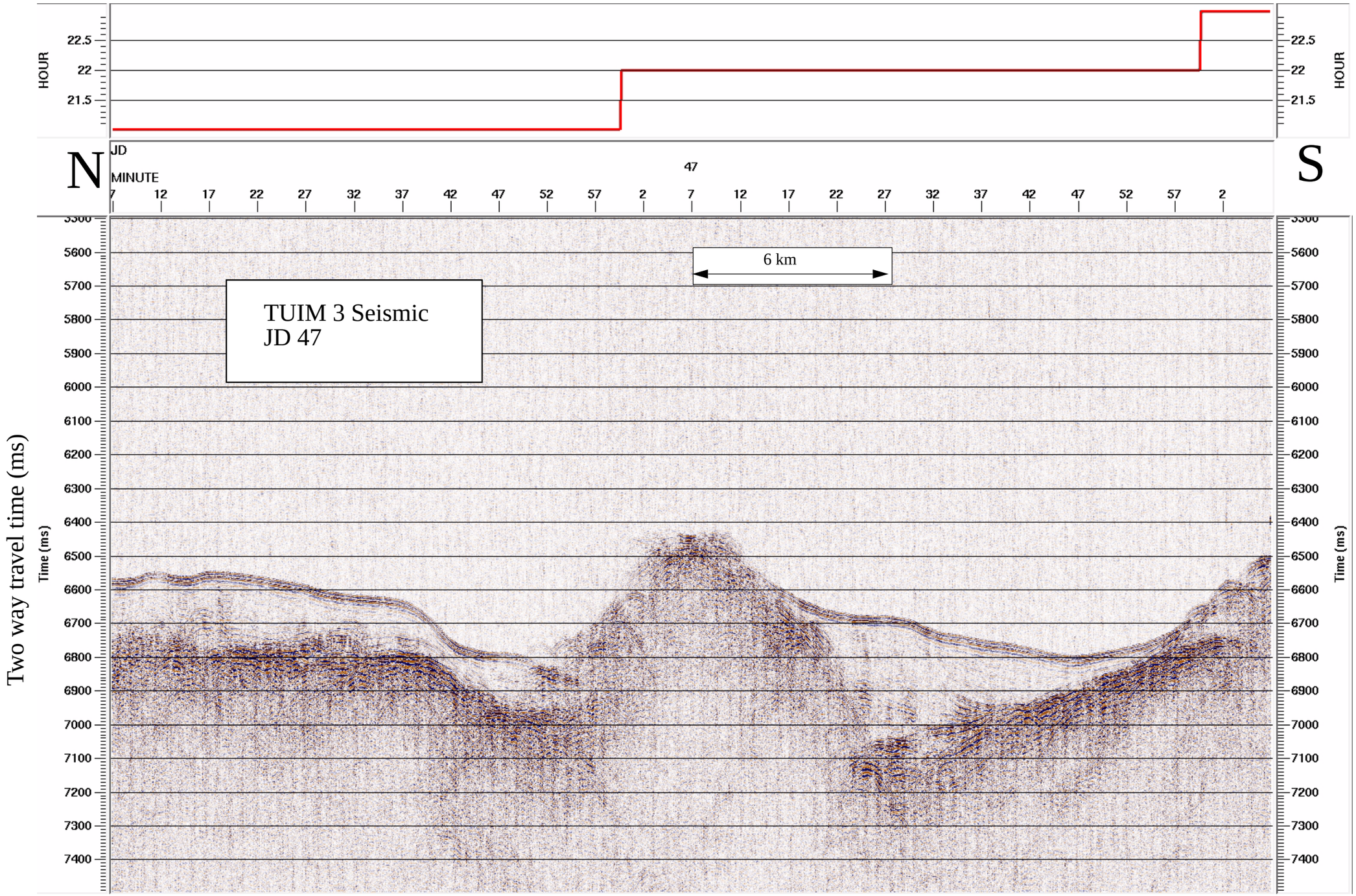


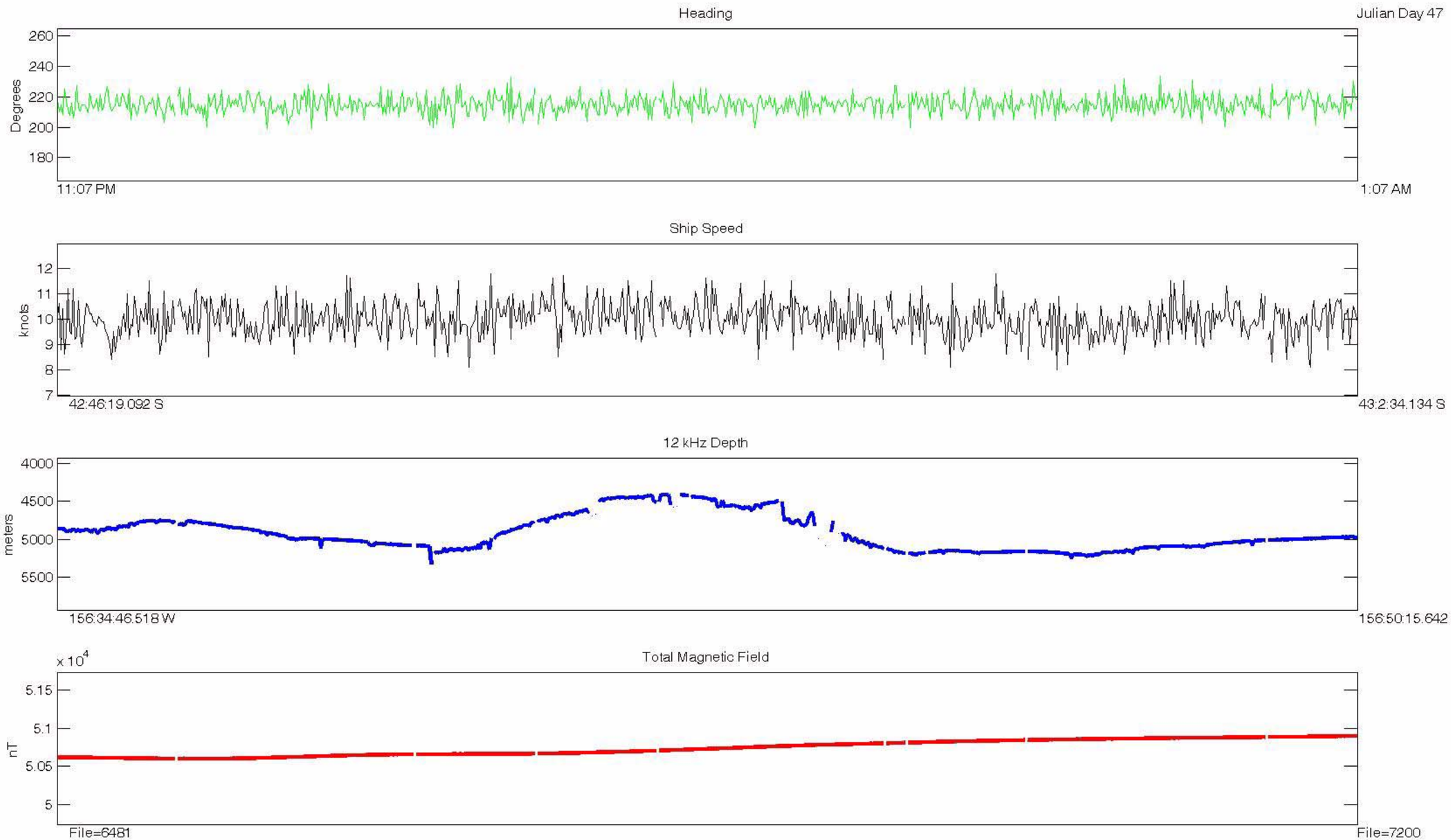

Heading
Julian Day 47
Degrees
260
240
220
200
180
6:51 PM
9:06 PM
Ship Speed
knots
12
11
10
9
8
7
42:12:38.802 S
42:30:15.078 S
12 kHz Depth
meters
4000
4500
5000
5500
156:2:53.814 W
156:19:31.908 W
Total Magnetic Field
x 10^4
nT
5.1
5.05
5
4.95
File=5041
File=5760

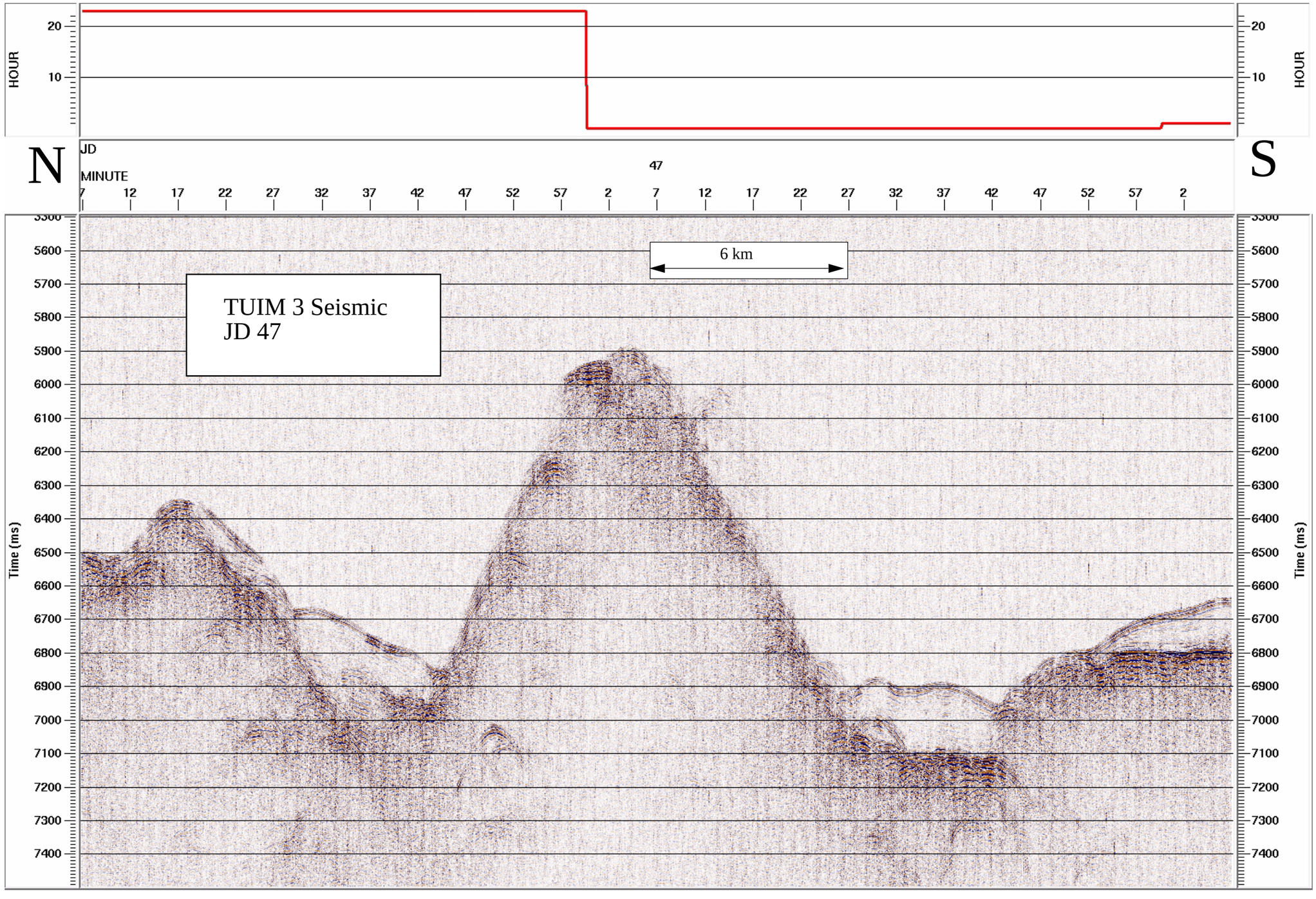


Two way travel time (ms)


Heading
Julian Day 47
Degrees
260
240
220
200
180
9:07 PM
11:07 PM
Ship Speed
knots
12
11
10
9
8
7
42:30:16.494 S
NaN:NaN:NaN S
12 kHz Depth
meters
4000
4500
5000
5500
156:19:33.252 W
NaN:NaN:NaN W
x 10^4
Total Magnetic Field
nT
5.1
5.05
5
4.95
File=5761
File=6480


HOUR
22.5
22
21.5
N
S
JD
47
MINUTE
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 47
Two way travel time (ms)
Time (ms)
5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400

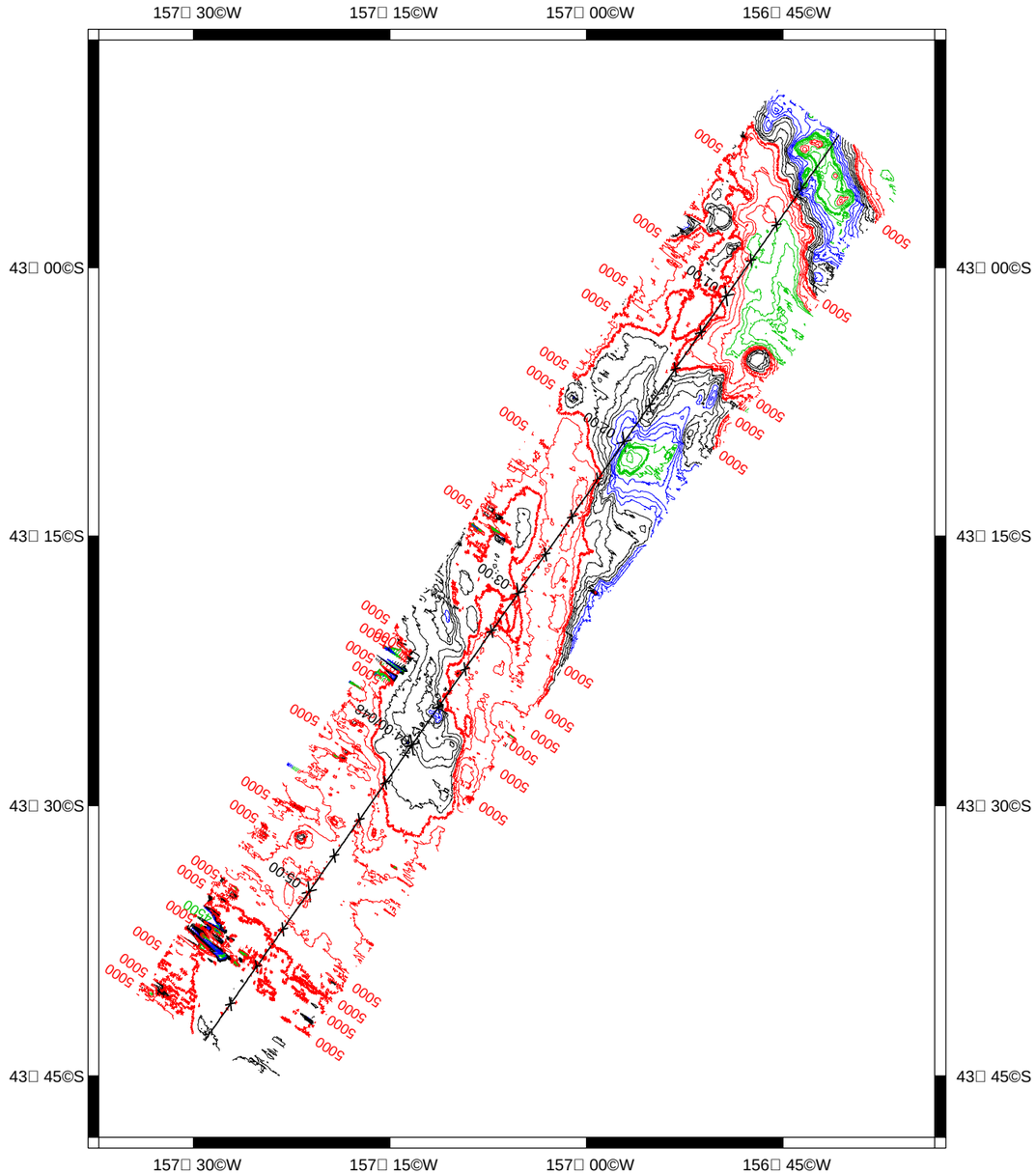

Heading
Julian Day 47
Degrees
260
240
220
200
180
11:07 PM
1:07 AM
Ship Speed
knots
12
11
10
9
8
7
42:46:19.092 S
43:2:34.134 S
12 kHz Depth
meters
4000
4500
5000
5500
156:34:46.518 W
156:50:15.642 W
x 10^4
Total Magnetic Field
nT
5.15
5.1
5.05
5
File=6481
File=7200

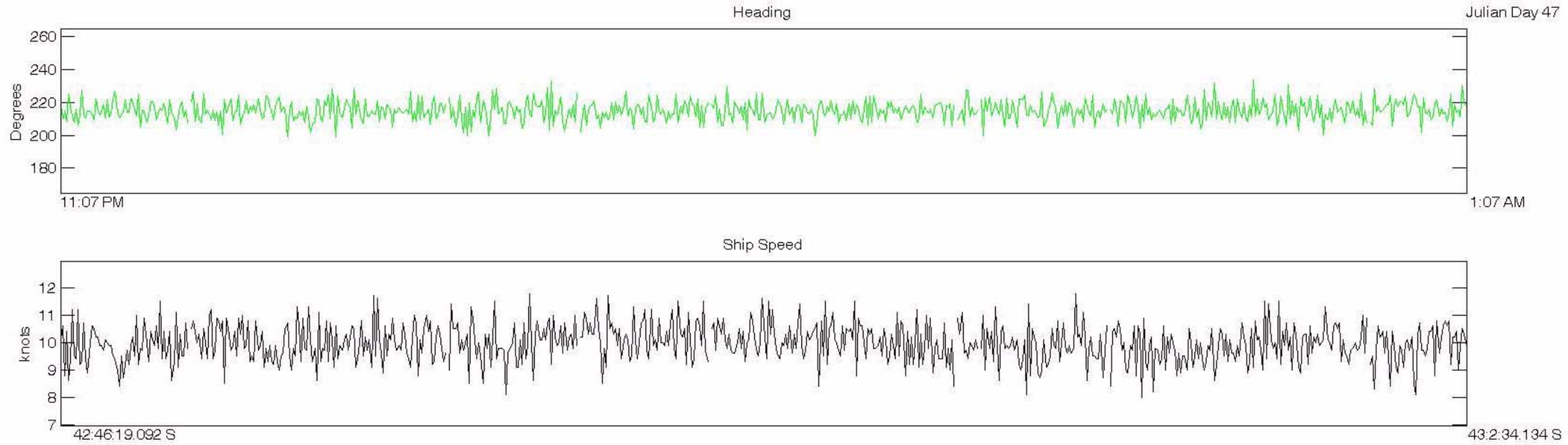


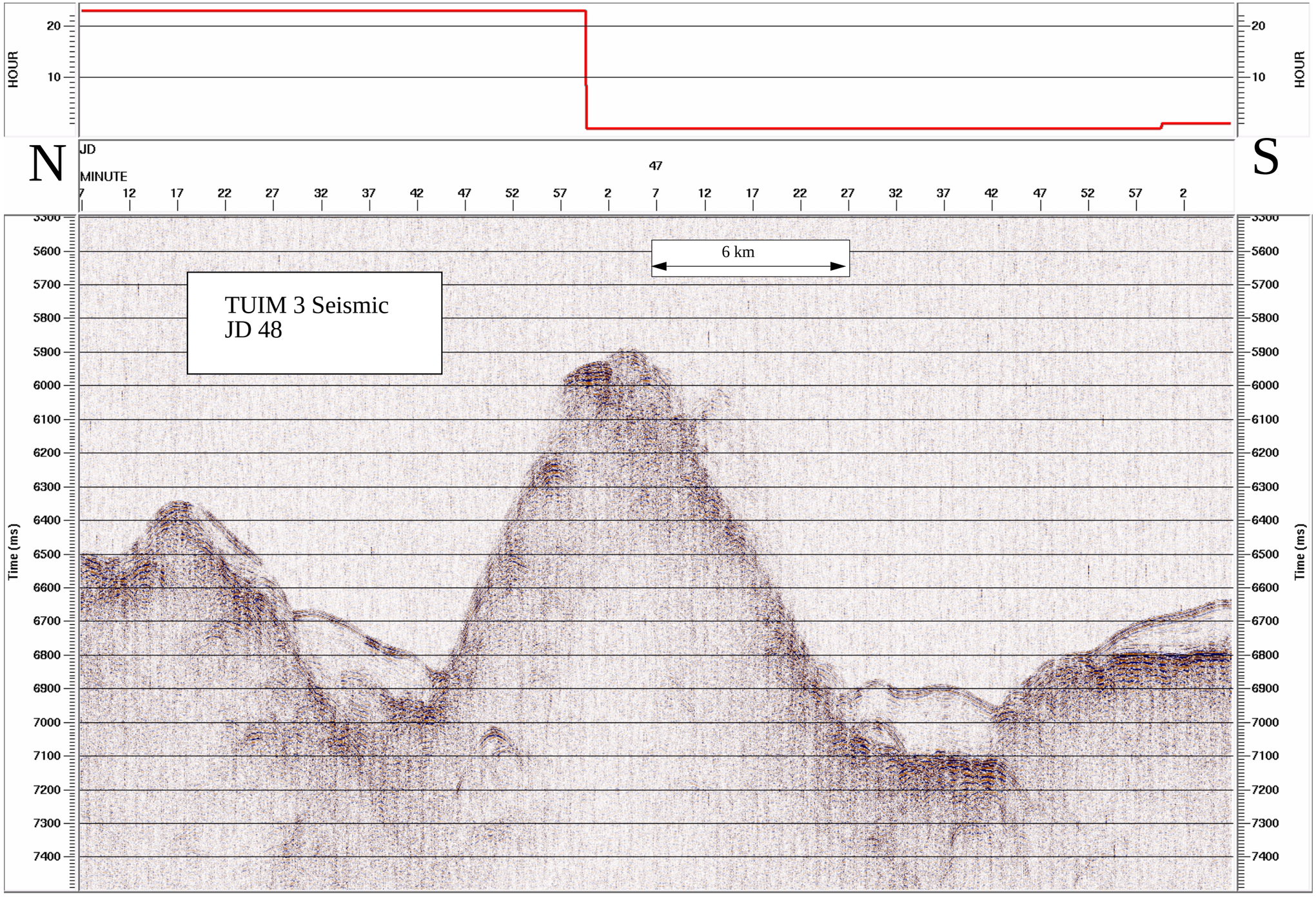
Two way travel time (ms)

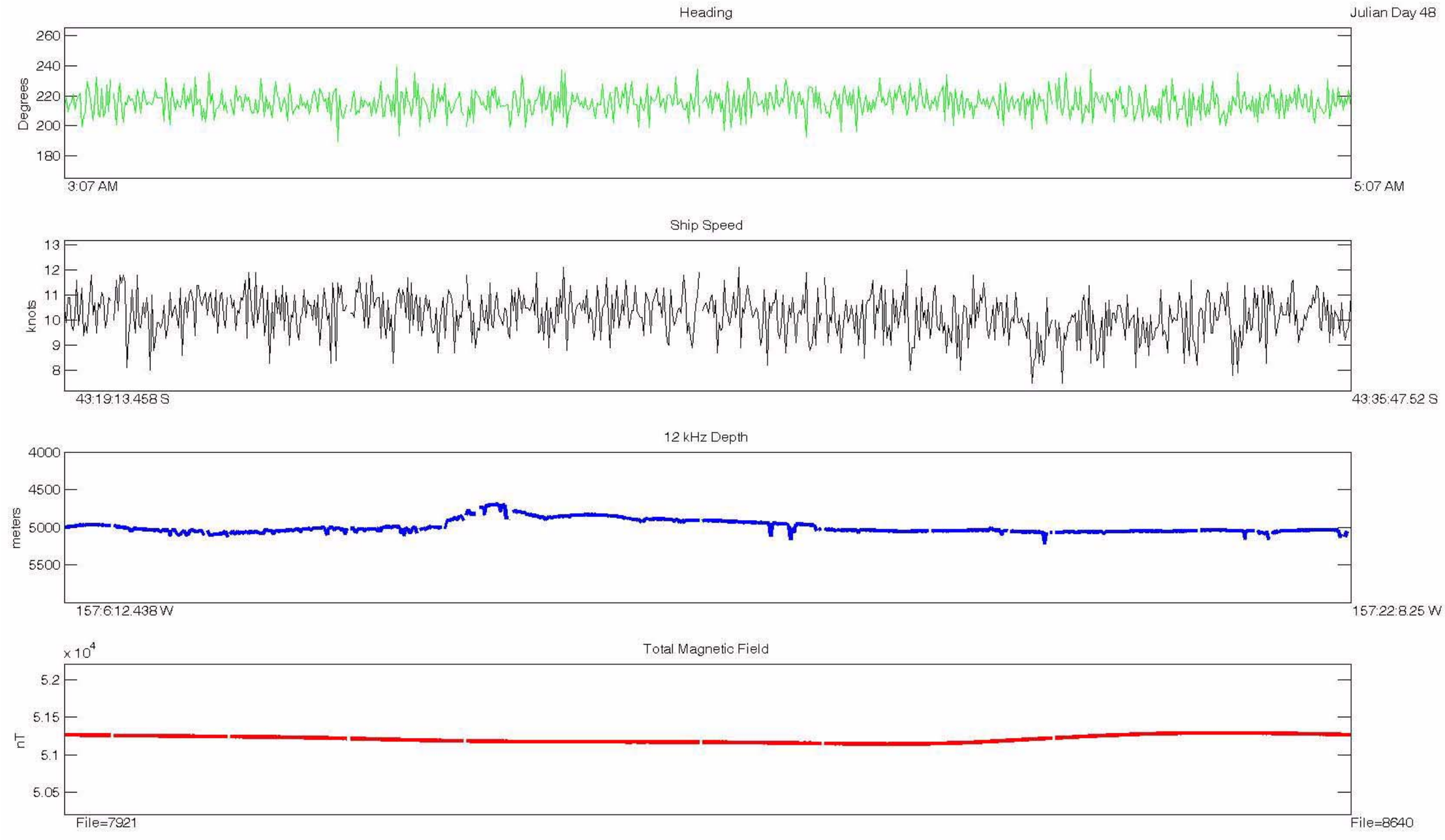
Julian Day 48
17 February 2005
150 c.i GI gun Source,
4-channel SIO streamer

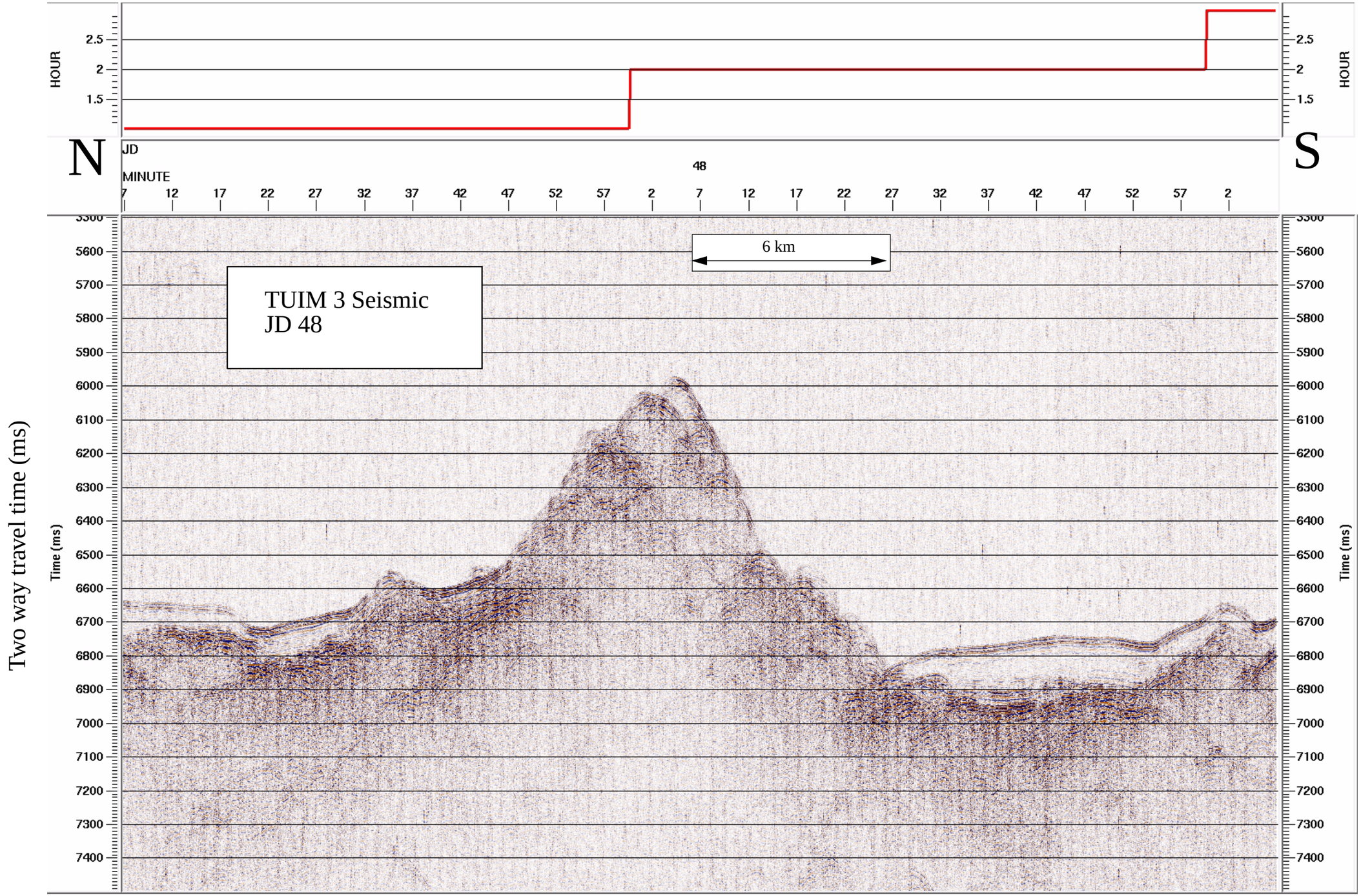
Data File SBfixavg.2005feb17.0000-0600

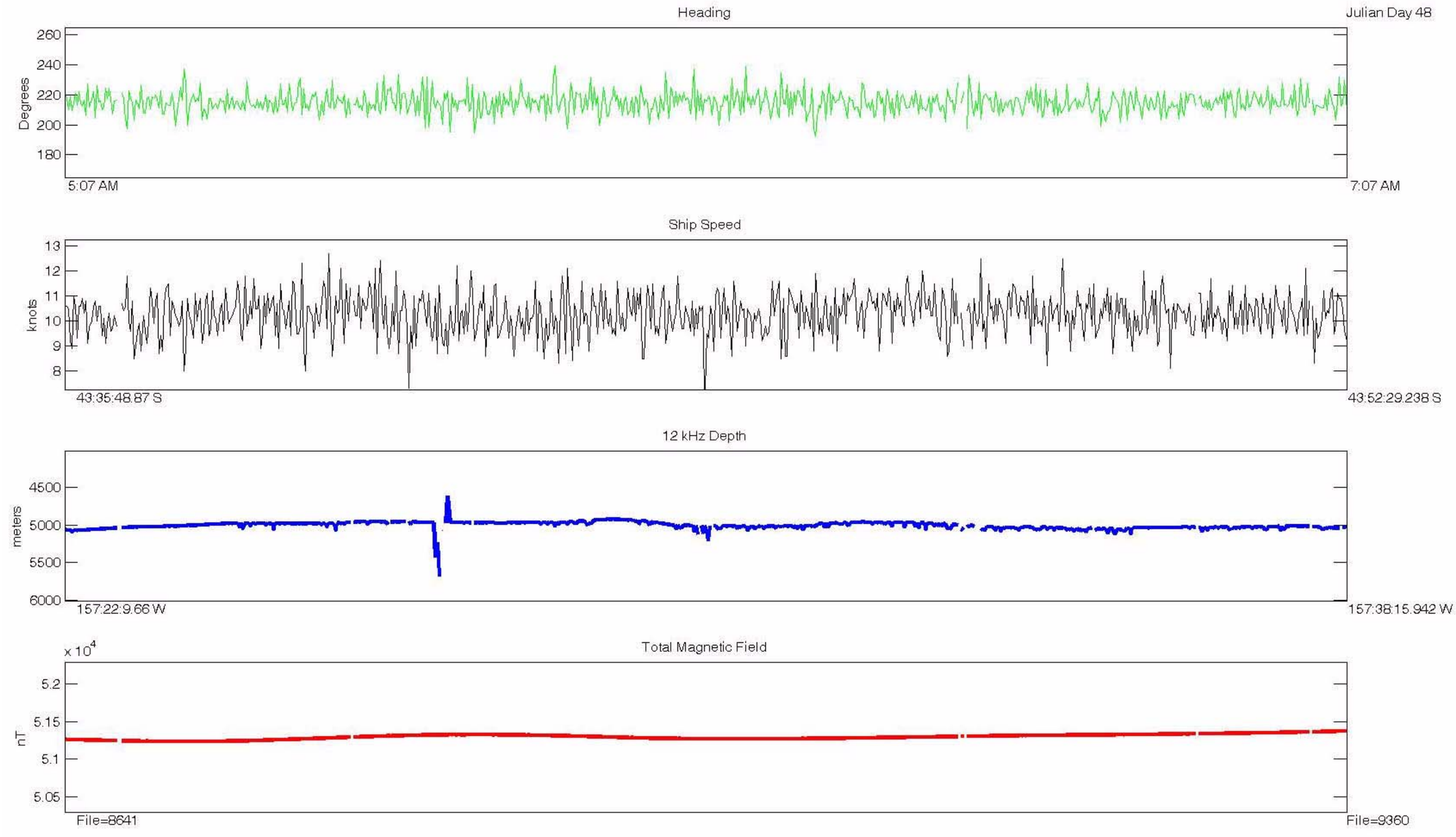


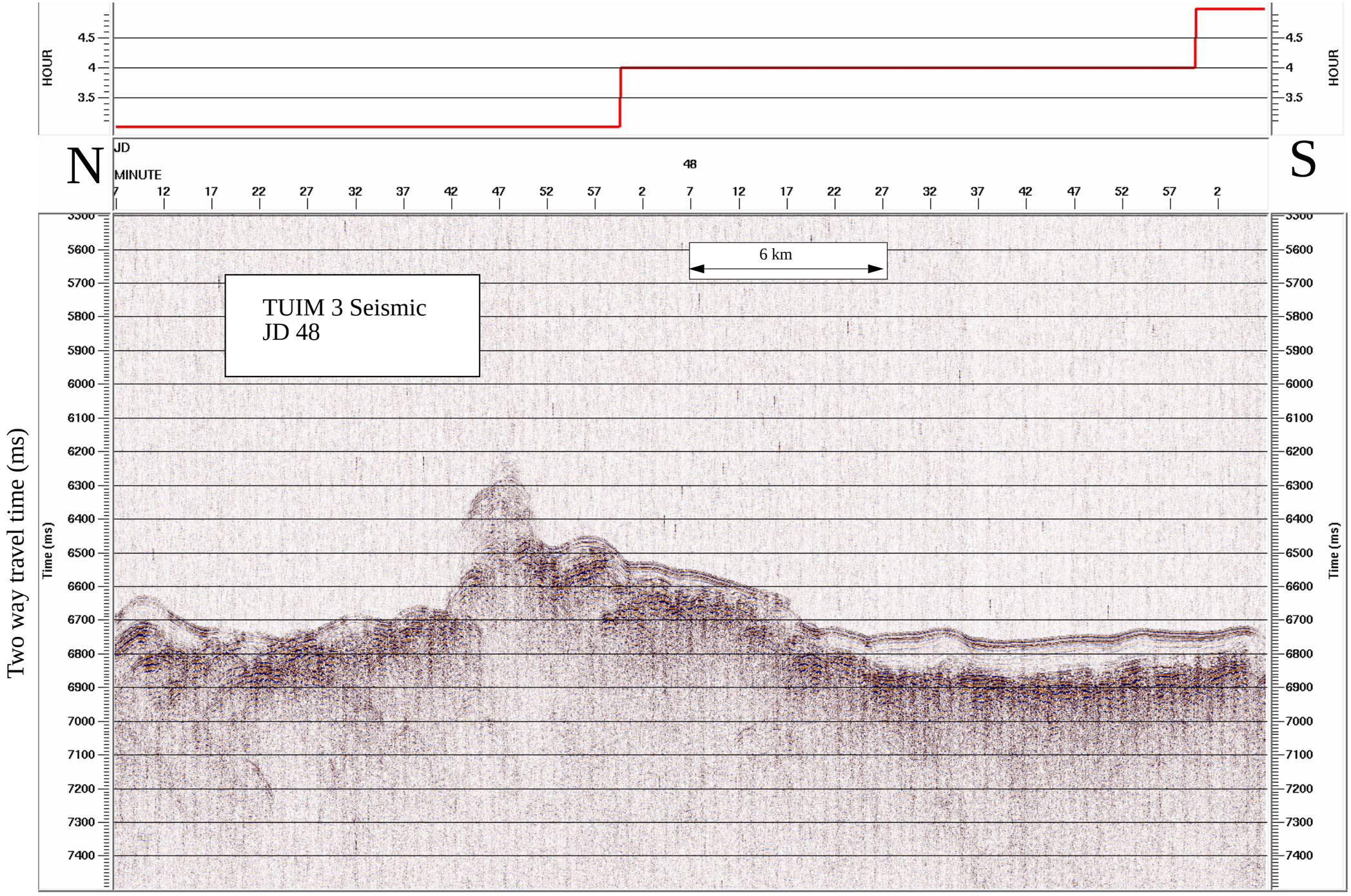

Heading
Julian Day 47
260
240
220
200
180
Degrees
11:07 PM
1:07 AM
Ship Speed
12
11
10
9
8
7
knots
42:46:19.092 S
43:2:34.134 S
12 kHz Depth
4000
4500
5000
5500
meters
156:34:46.518 W
156:50:15.642 W
x 10^4
Total Magnetic Field
5.15
5.1
5.05
5
nT
File=6481
File=7200

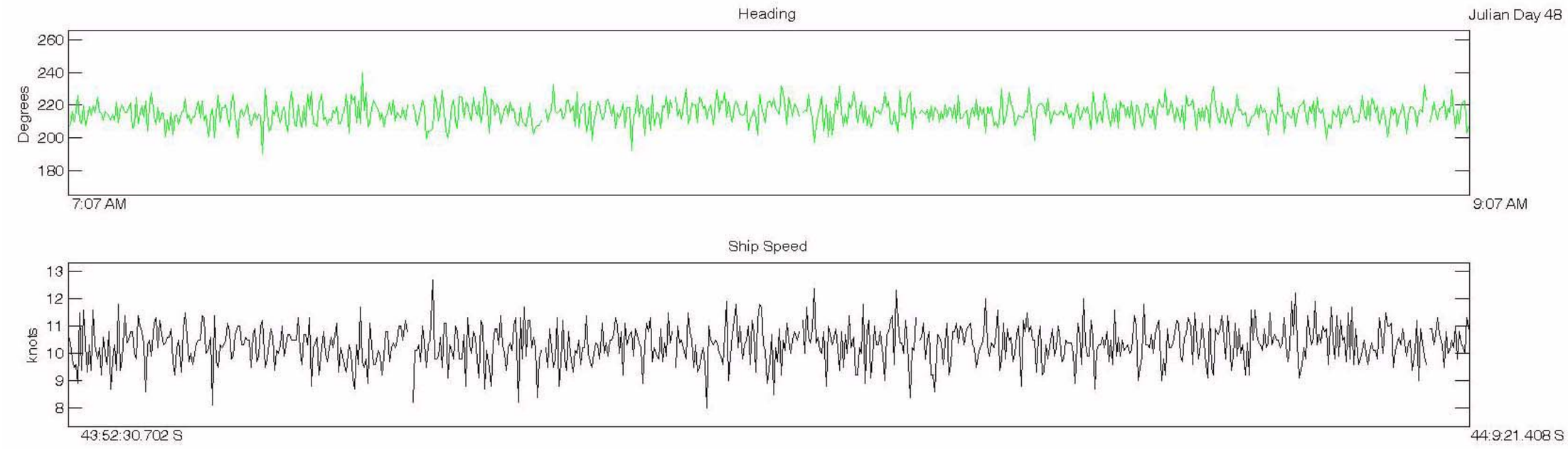

HOUR
20
10
N
S
JD
MINUTE
47
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 48
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400
Two way travel time (ms)

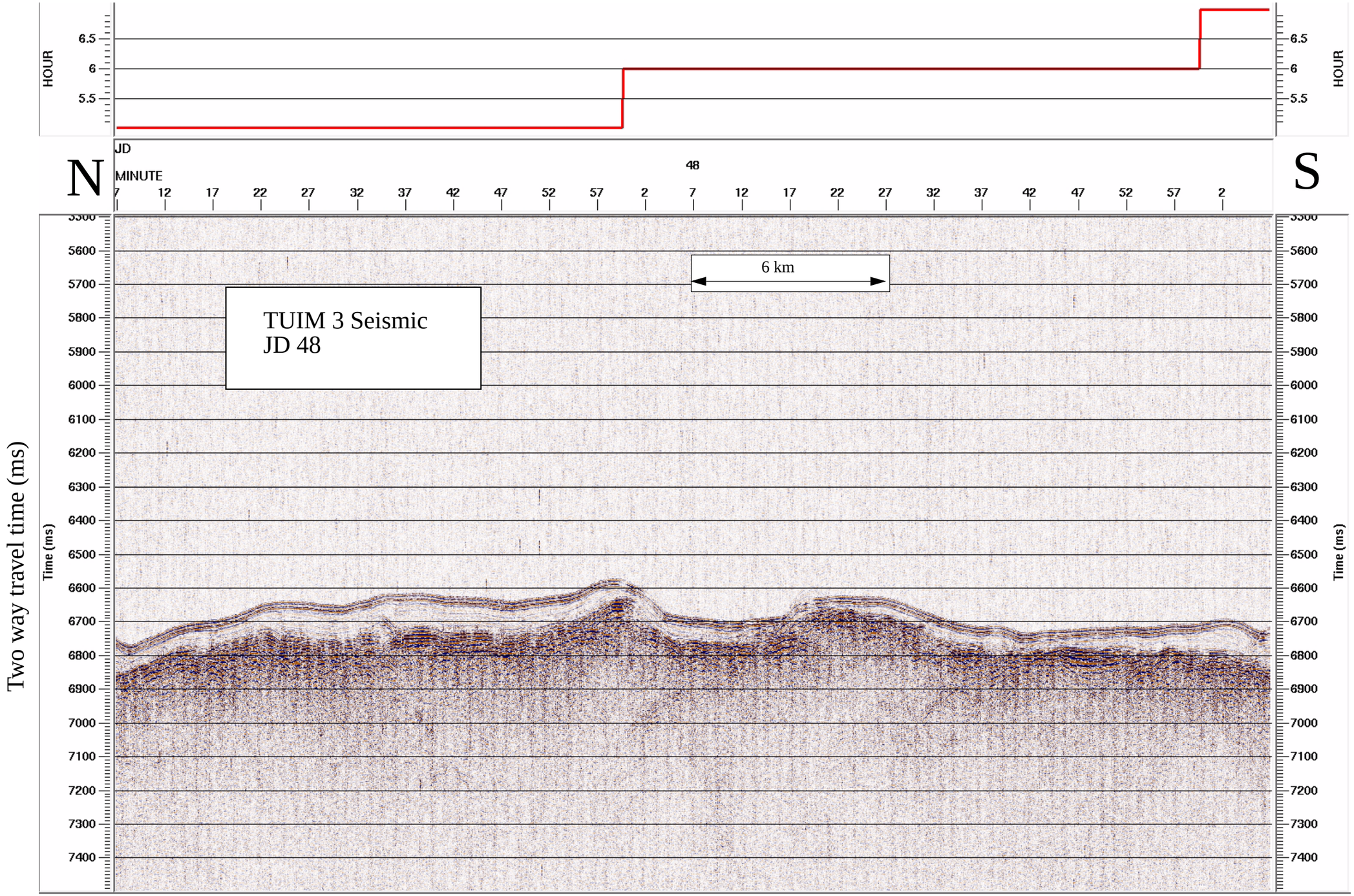

Heading
Julian Day 48
Degrees
260
240
220
200
180
3:07 AM
5:07 AM
Ship Speed
knots
13
12
11
10
9
8
43:19:13.458 S
43:35:47.52 S
12 kHz Depth
meters
4000
4500
5000
5500
157:6:12.438 W
157:22:8.25 W
Total Magnetic Field
x 10^4
nT
5.2
5.15
5.1
5.05
File=7921
File=8640


HOUR
2.5
2
1.5
N
S
JD
MINUTE
48
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 48
Time (ms)
5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400
Two way travel time (ms)


Heading
Julian Day 48
Degrees
260
240
220
200
180
5:07 AM
7:07 AM
Ship Speed
knots
13
12
11
10
9
8
43:35:48.87 S
43:52:29.238 S
12 kHz Depth
meters
4500
5000
5500
6000
157:22:9.66 W
157:38:15.942 W
x 10^4
Total Magnetic Field
nT
5.2
5.15
5.1
5.05
File=8641
File=9360

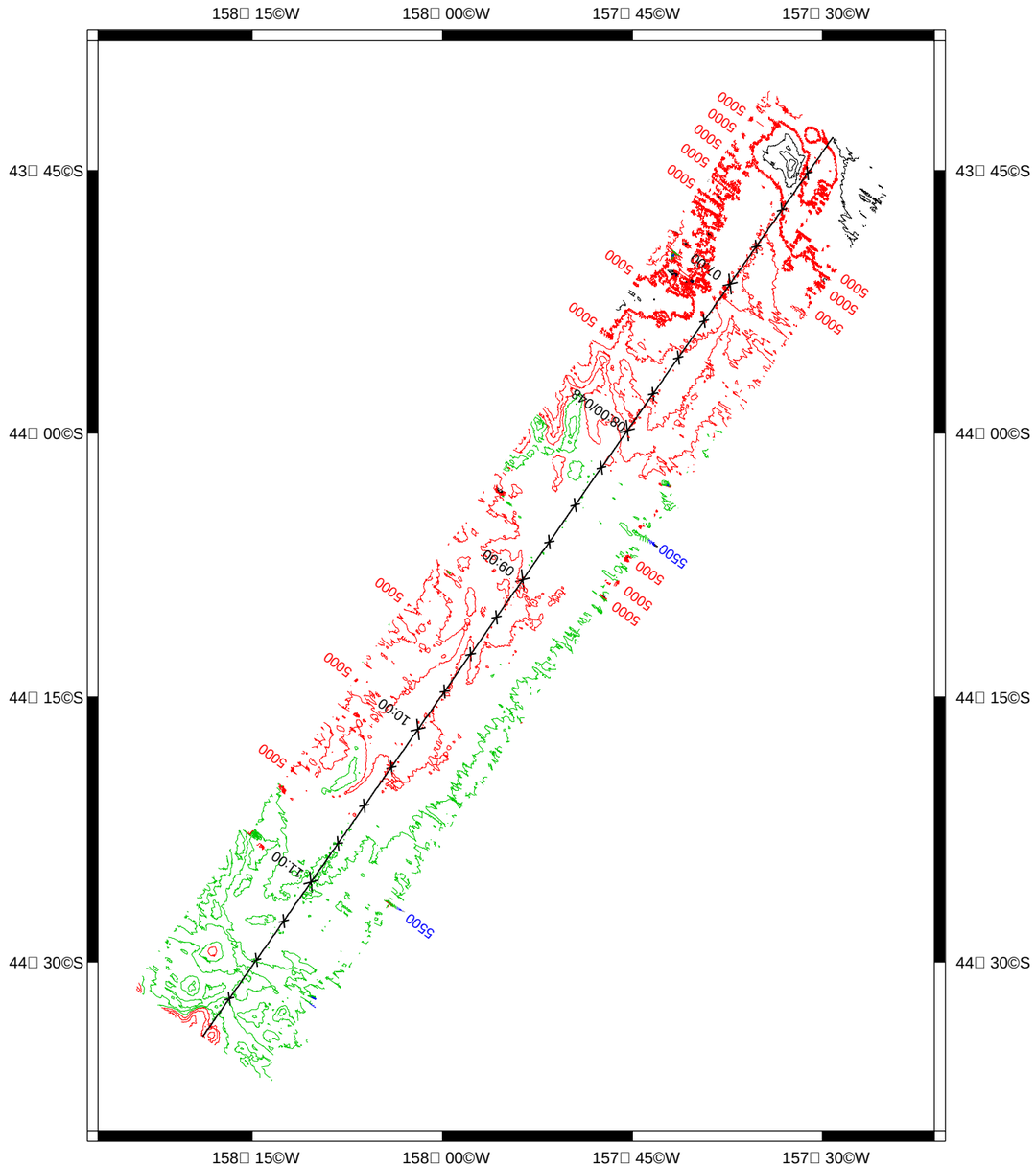

HOUR
4.5
4
3.5
N
S
JD
MINUTE
48
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 48
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400
Two way travel time (ms)

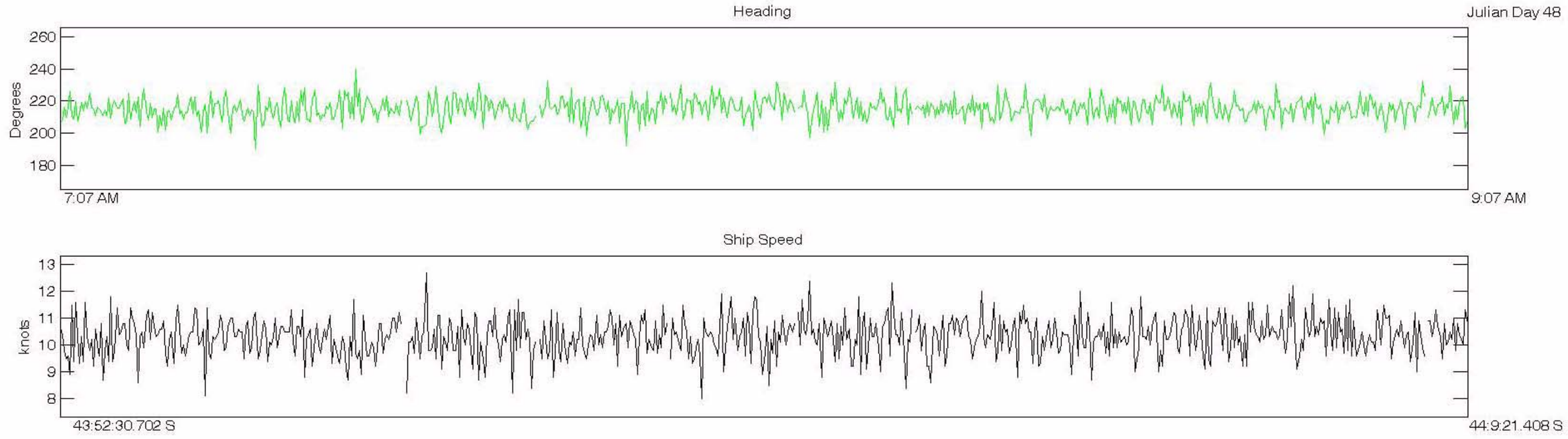

Heading
Julian Day 48
260
240
220
200
180
Degrees
7:07 AM
9:07 AM
Ship Speed
13
12
11
10
9
8
knots
43:52:30.702 S
44:9:21.408 S
12 kHz Depth
4500
5000
5500
6000
meters
157:38:17.232 W
157:54:38.106 W
x 10^4
5.25
5.2
5.15
5.1
nT
Total Magnetic Field
File=9361
File=10080

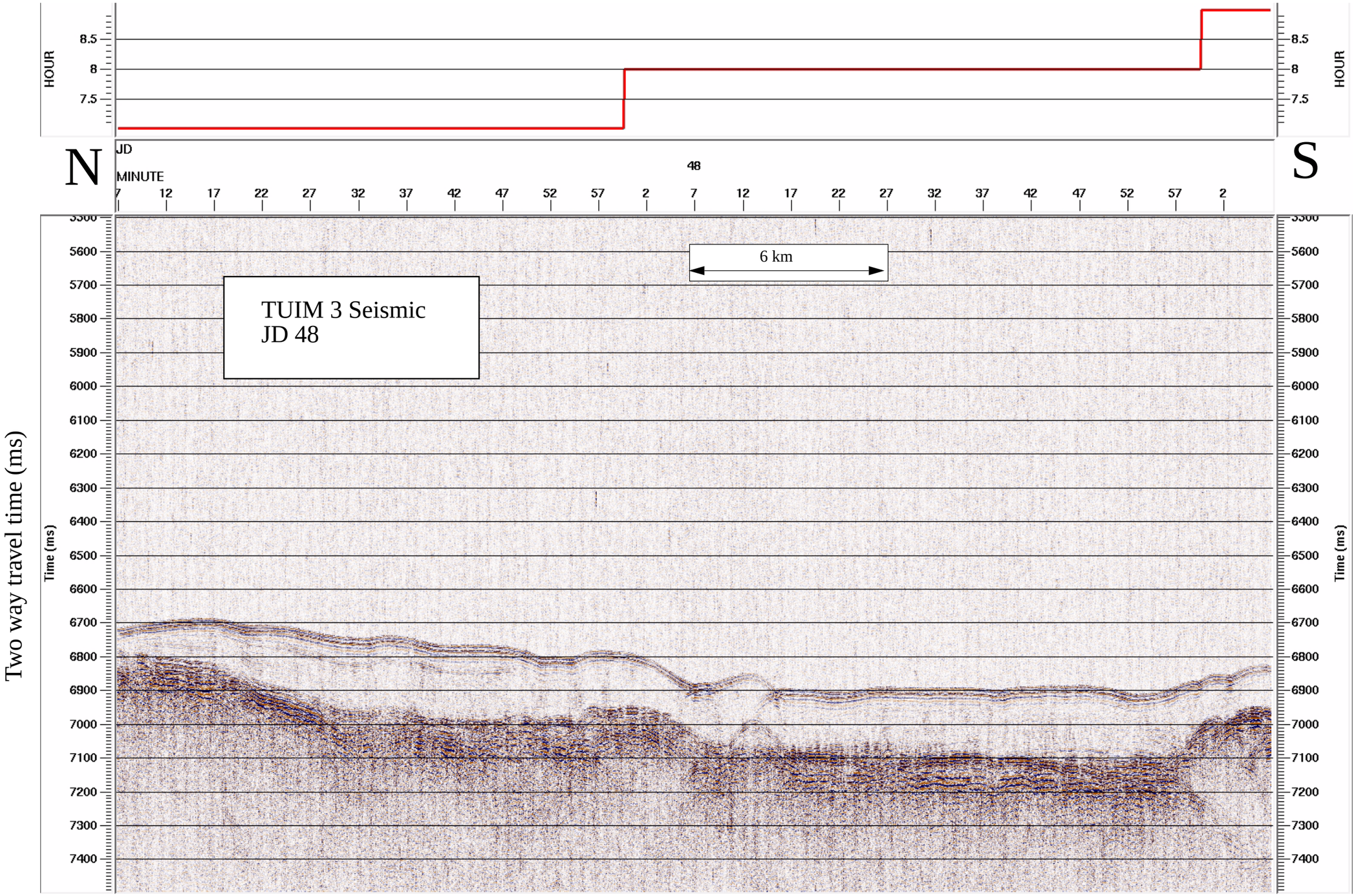


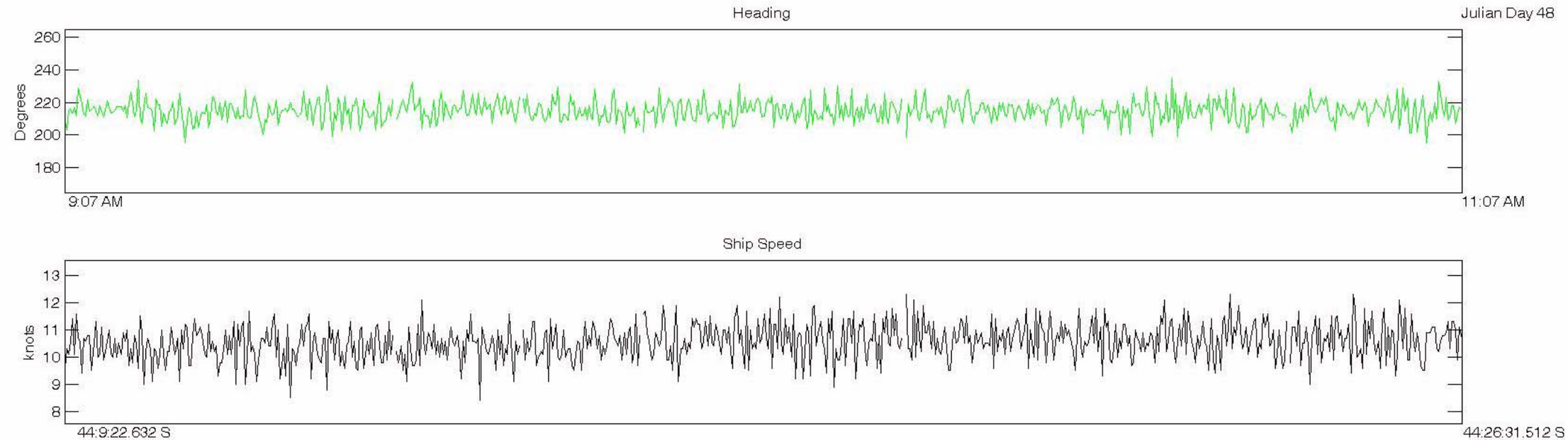
Two way travel time (ms)

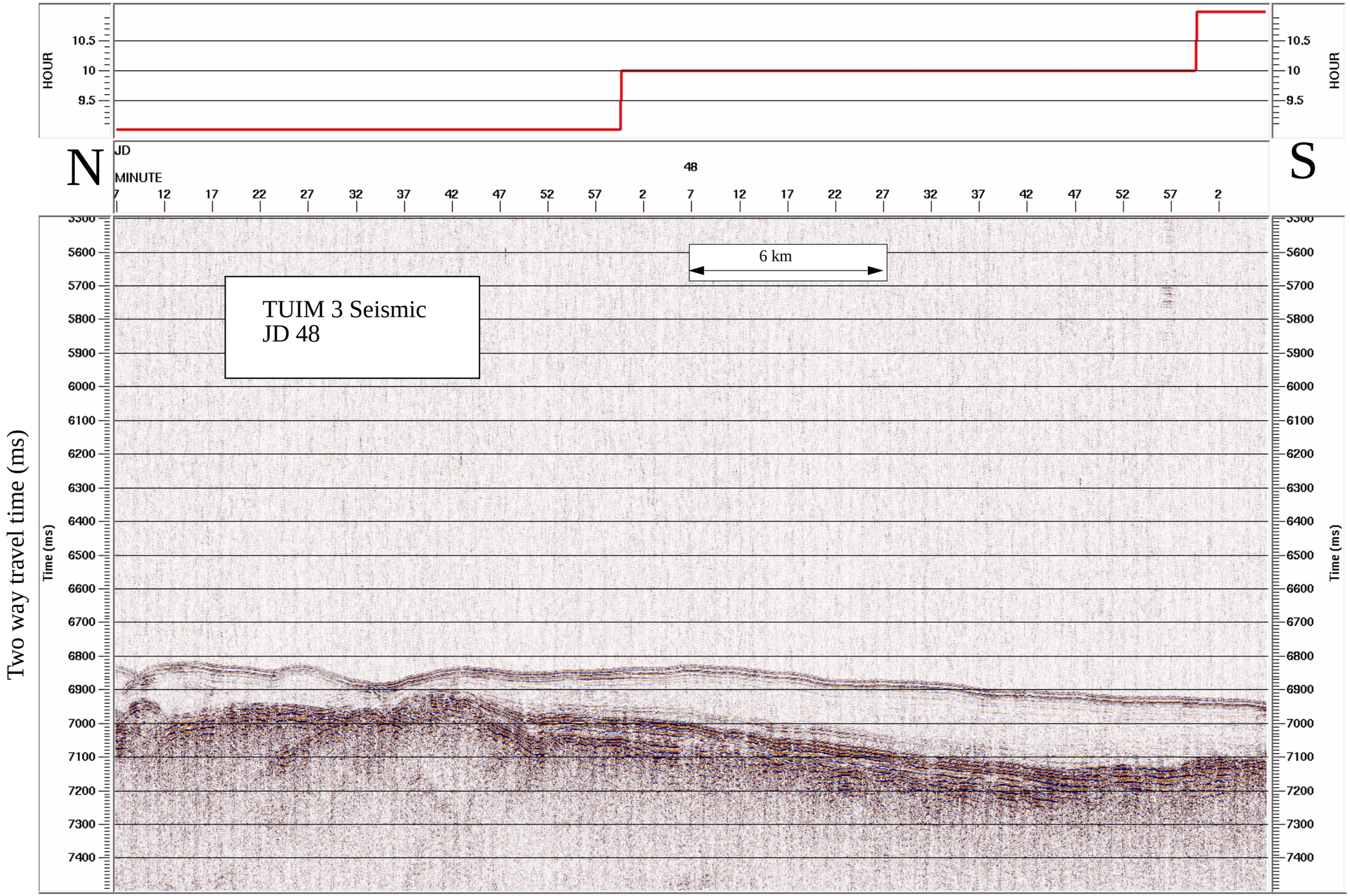
Data File SBfixavg.2005feb17.0600-1200

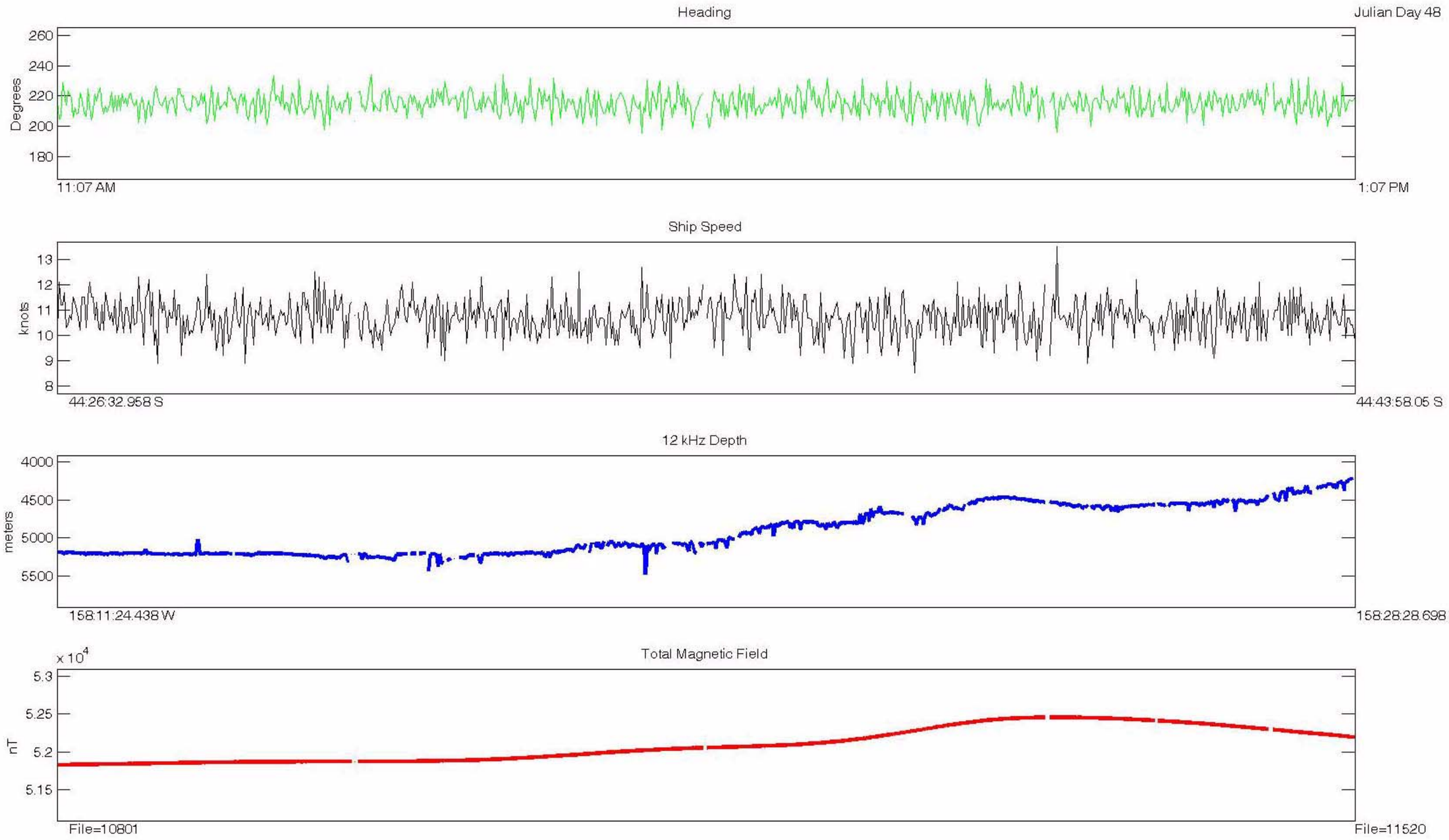


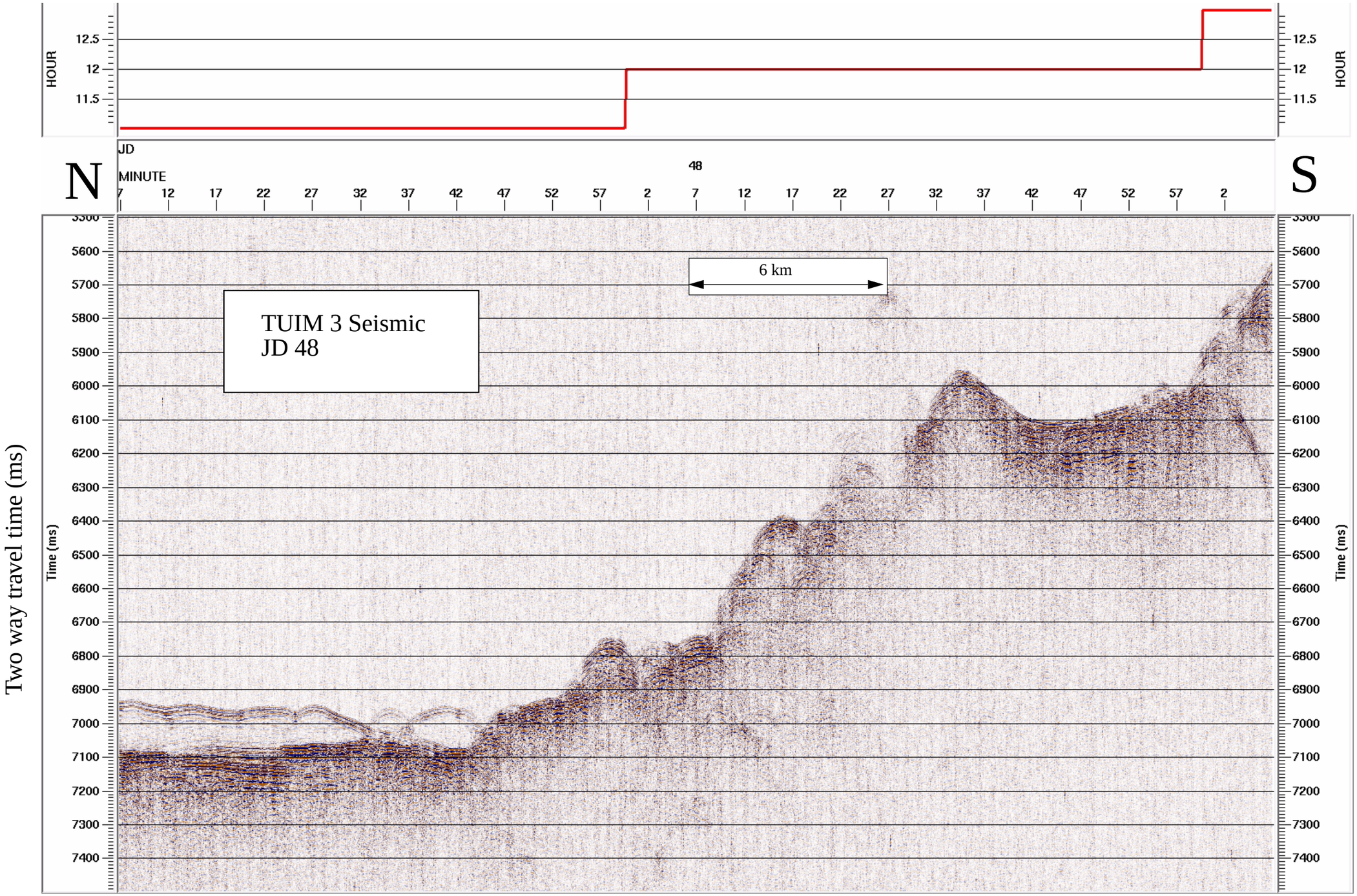

Heading
Julian Day 48
Degrees
260
240
220
200
180
7:07 AM
9:07 AM
Ship Speed
knots
13
12
11
10
9
8
43:52:30.702 S
44:9:21.408 S
12 kHz Depth
meters
4500
5000
5500
6000
157:38:17.232 W
157:54:38.106 W
Total Magnetic Field
x 10^4
nT
5.25
5.2
5.15
5.1
File=9361
File=10080


HOUR
8.5
8
7.5
N
S
JD
MINUTE
48
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 48
Time (ms)
5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400
Two way travel time (ms)

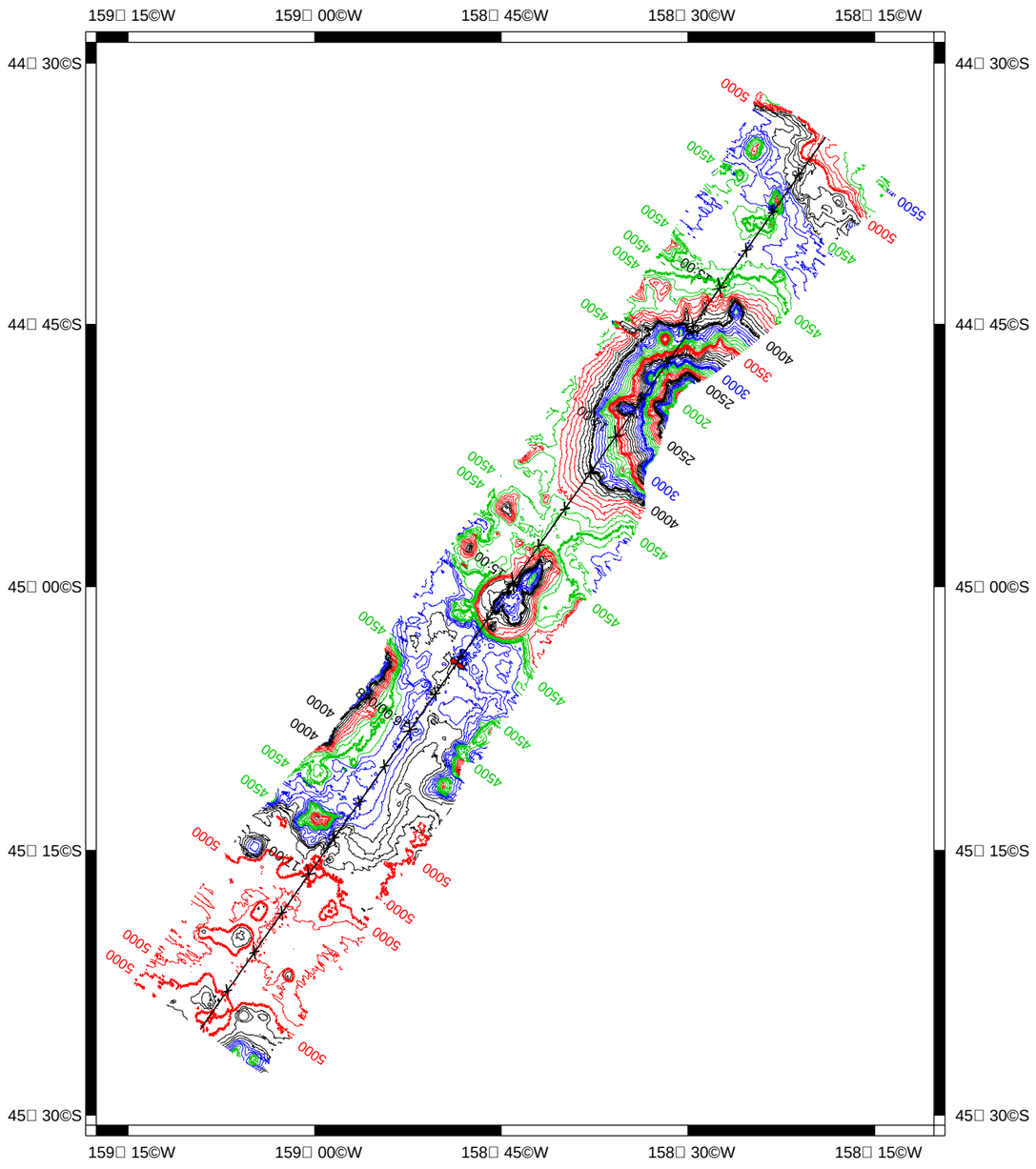

Heading
Julian Day 48
260
240
220
200
180
Degrees
9:07 AM
11:07 AM
Ship Speed
13
12
11
10
9
8
knots
44:9:22.632 S
44:26:31.512 S
12 kHz Depth
4500
5000
5500
6000
meters
157:54:39.348 W
158:11:22.956 W
x 10^4
5.25
5.2
5.15
5.1
nT
Total Magnetic Field
File=10081
File=10800

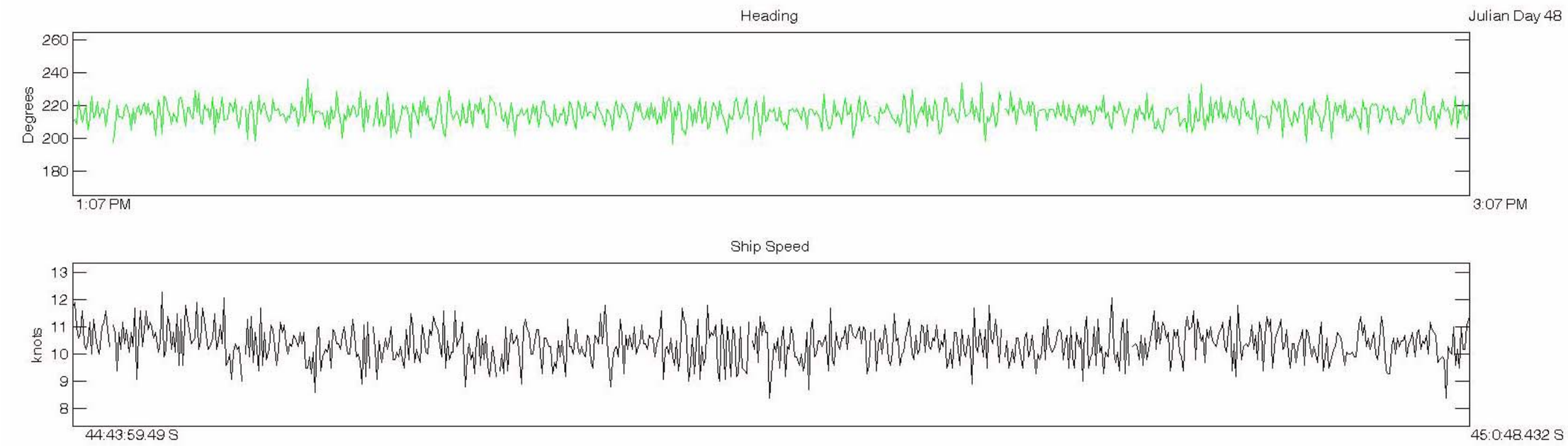

HOUR
10.5
10
9.5
N
S
JD
MINUTE
48
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 48
Time (ms)
5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400
Two way travel time (ms)

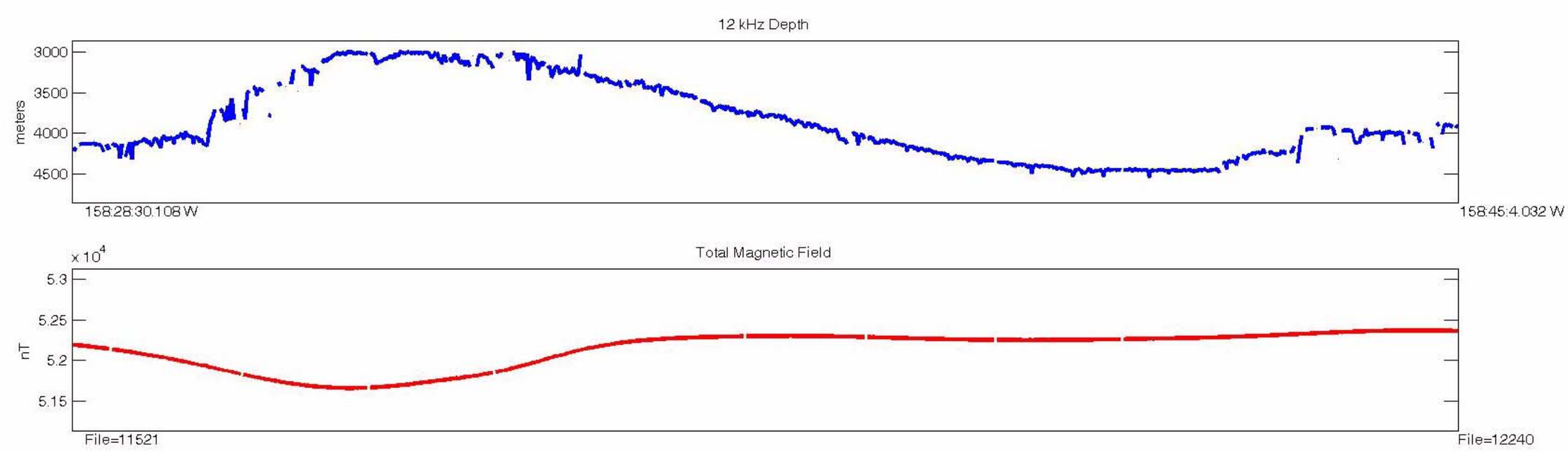

Heading
Julian Day 48
Degrees
260
240
220
200
180
11:07 AM
1:07 PM
Ship Speed
knots
13
12
11
10
9
8
44:26:32.958 S
44:43:58.05 S
12 kHz Depth
meters
4000
4500
5000
5500
158:11:24.438 W
158:28:28.698 W
Total Magnetic Field
x 10^4
nT
5.3
5.25
5.2
5.15
File=10801
File=11520

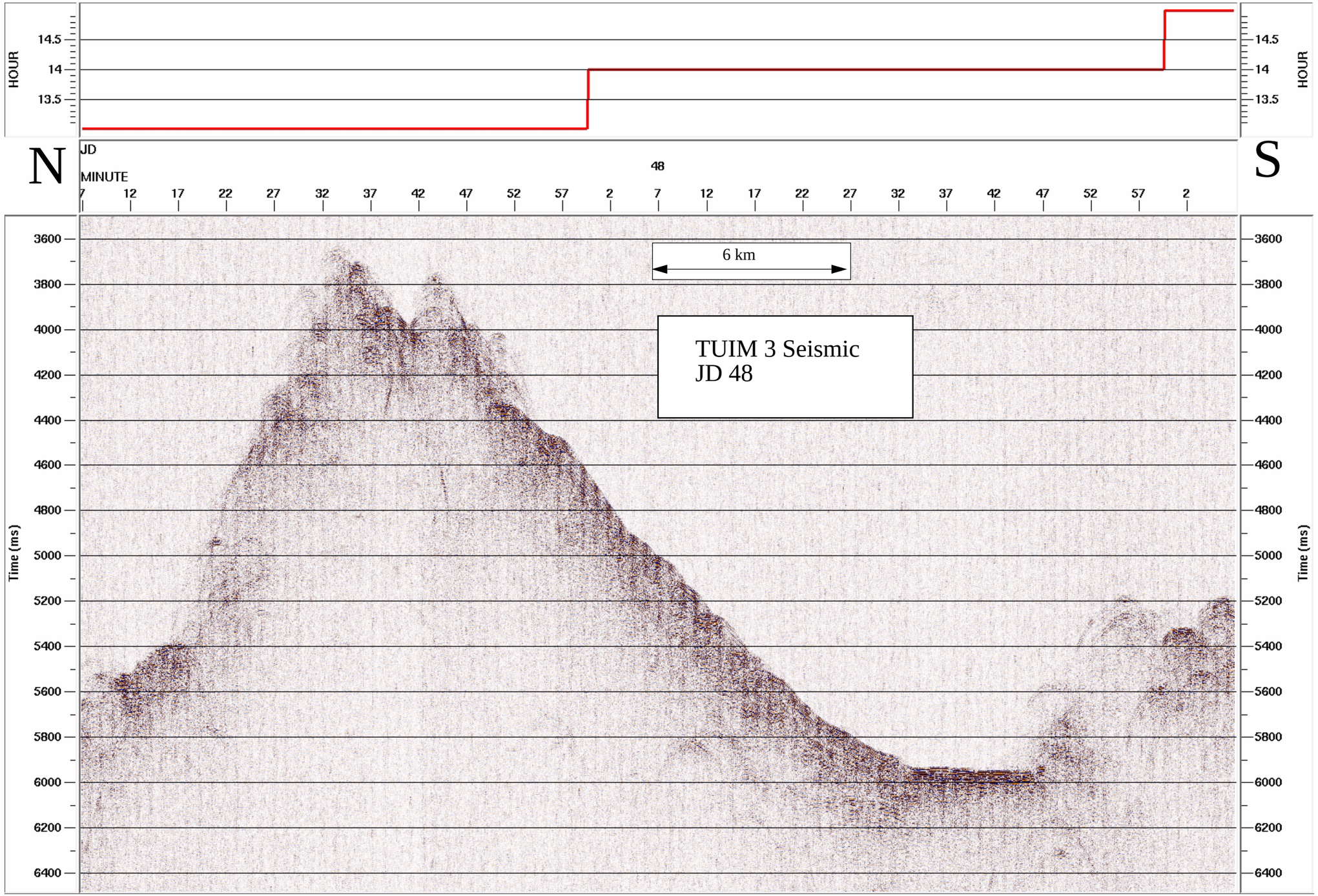

HOUR
12.5
12
11.5
JD
MINUTE
48
N
S
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 48
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400
Two way travel time (ms)

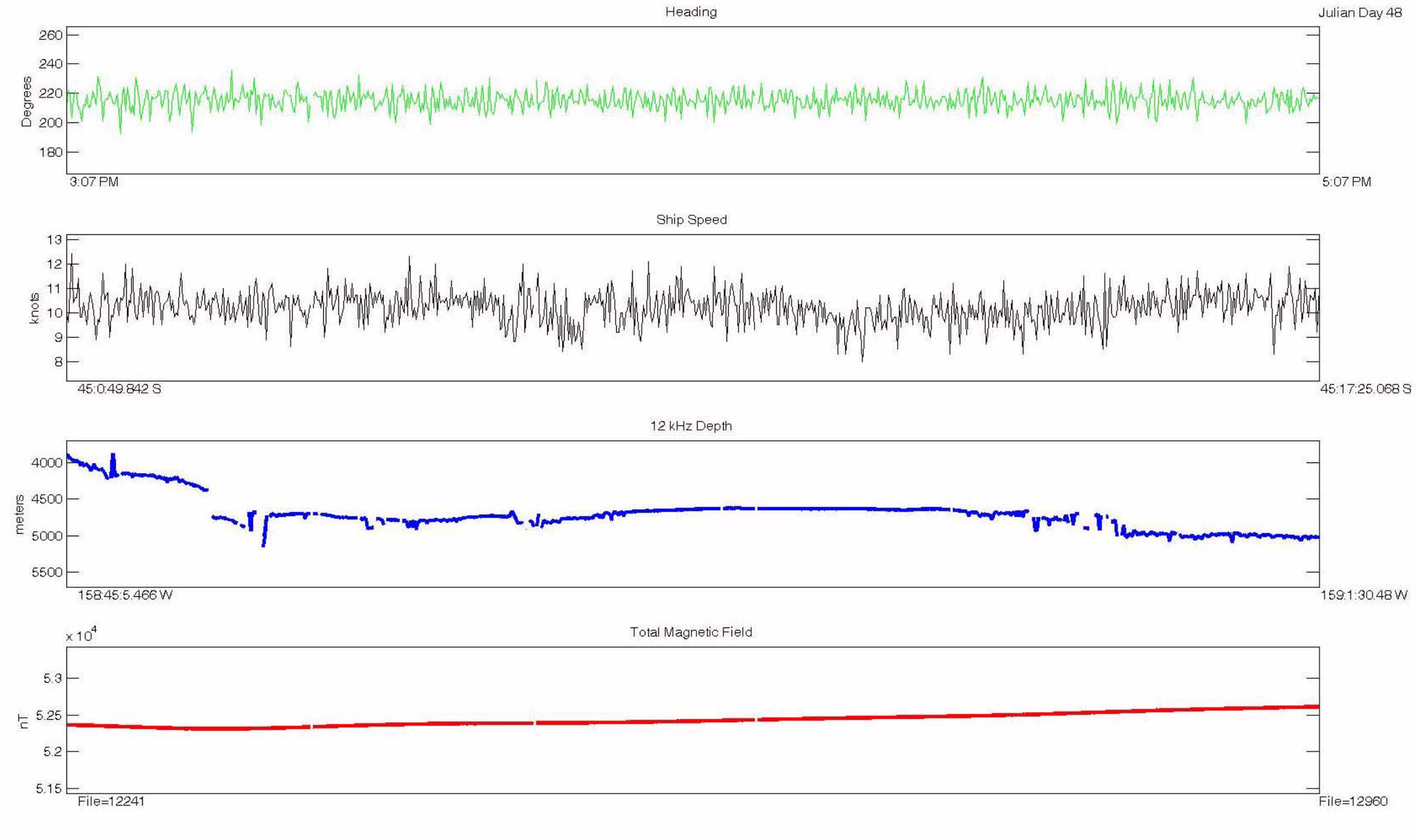
Data File SBfixavg.2005feb17.1200-1800

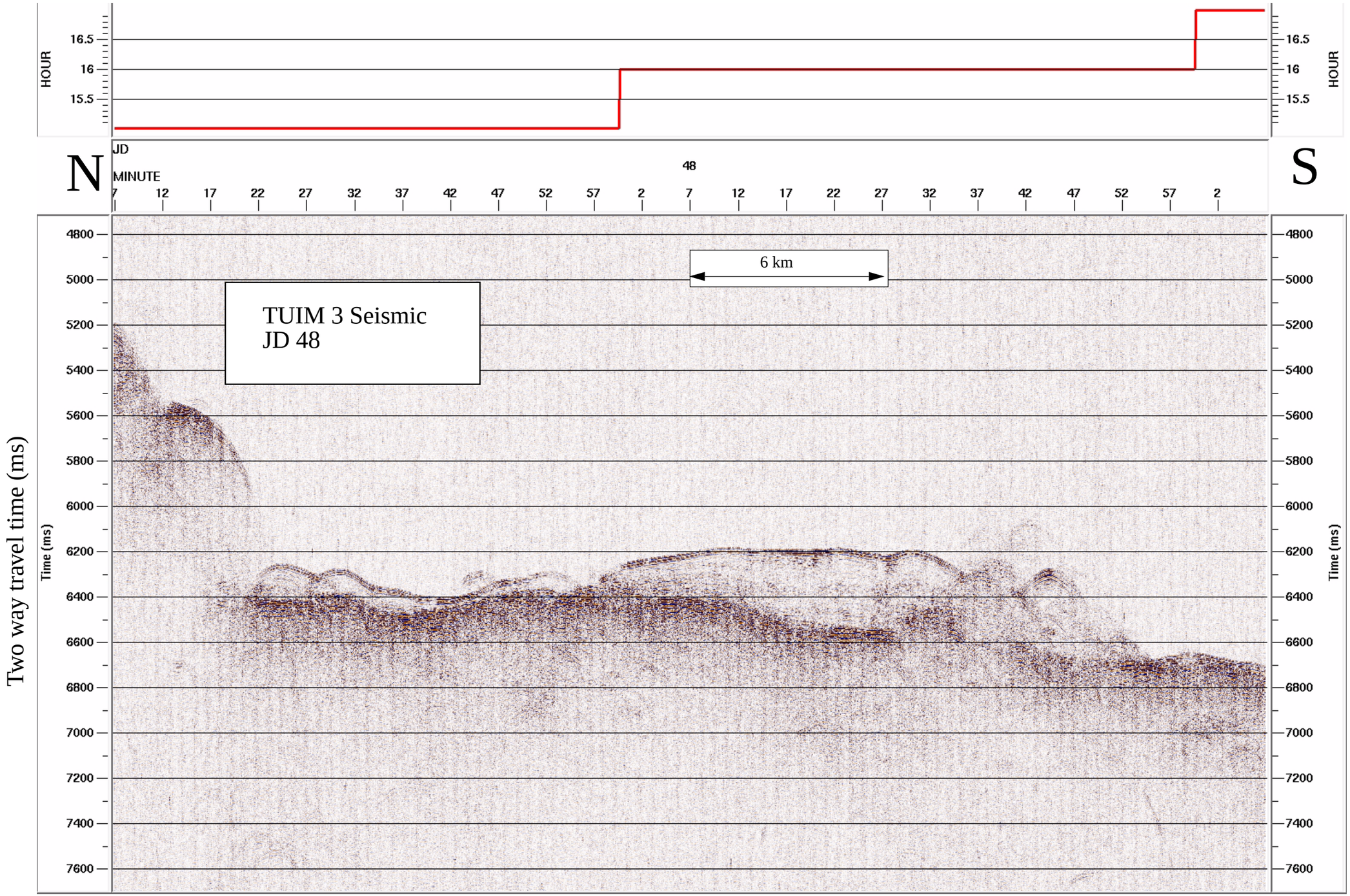



Heading
Julian Day 48
260
240
220
200
180
Degrees
1:07 PM
3:07 PM
Ship Speed
13
12
11
10
9
8
knots
44:43:59.49 S
45:0:48.432 S

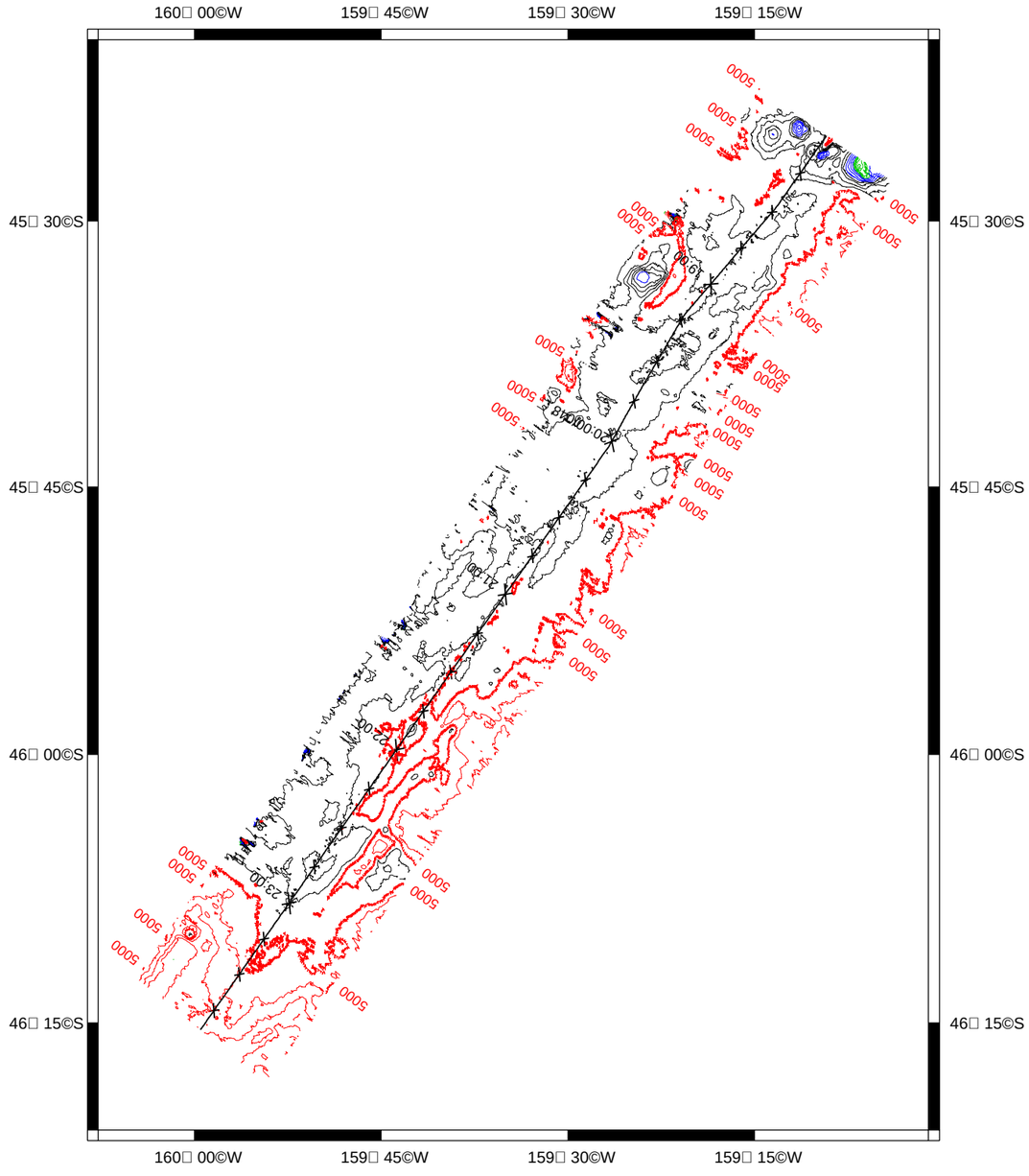

12 kHz Depth
3000
3500
4000
4500
meters
158:28:30.108 W
158:45:4.032 W
x 10^4
Total Magnetic Field
5.3
5.25
5.2
5.15
nT
File=11521
File=12240

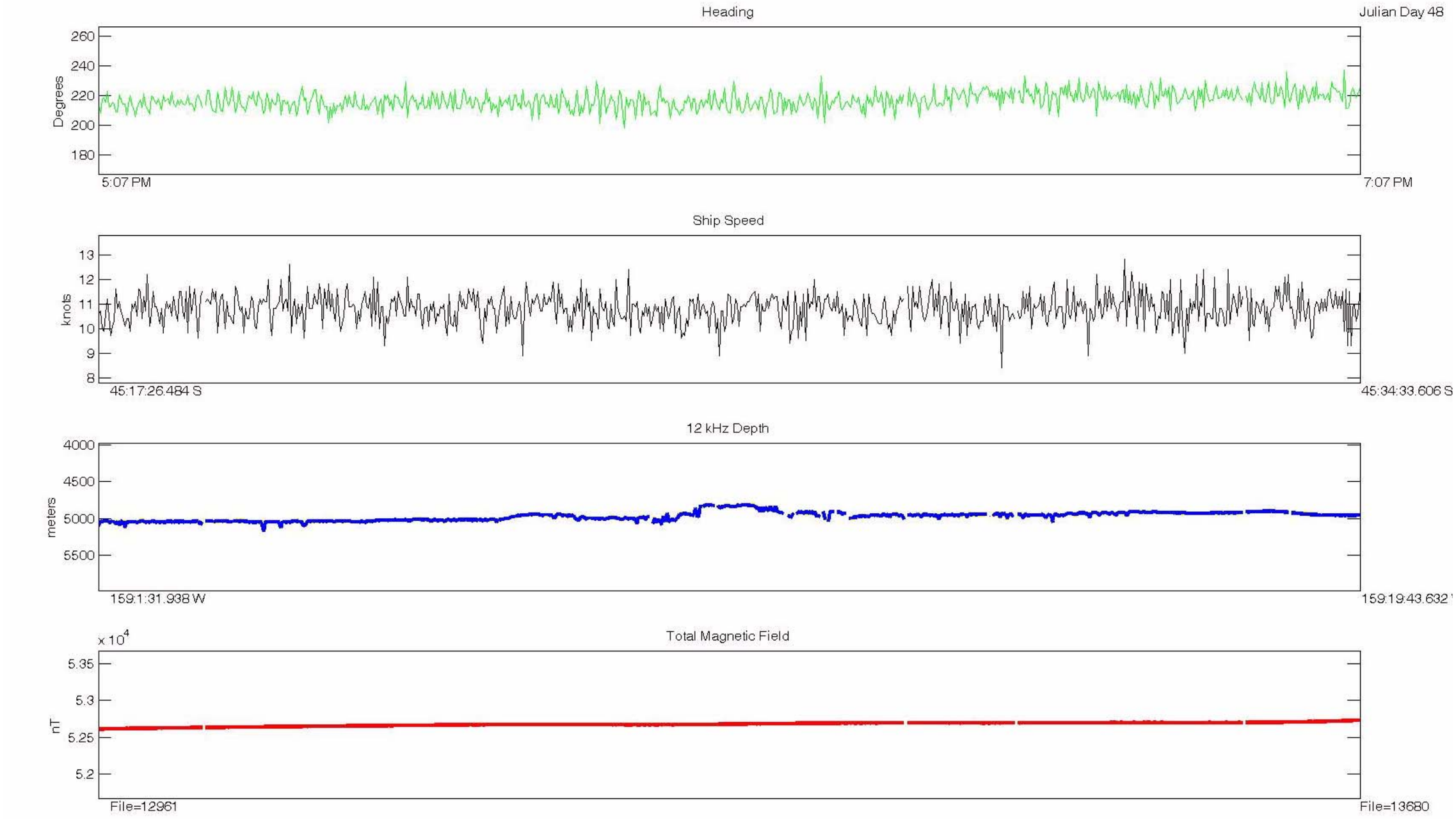

HOUR
14.5
14
13.5
N
S
JD
MINUTE
48
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 48
Two way travel time (ms)
Time (ms)
3600
3800
4000
4200
4400
4600
4800
5000
5200
5400
5600
5800
6000
6200
6400

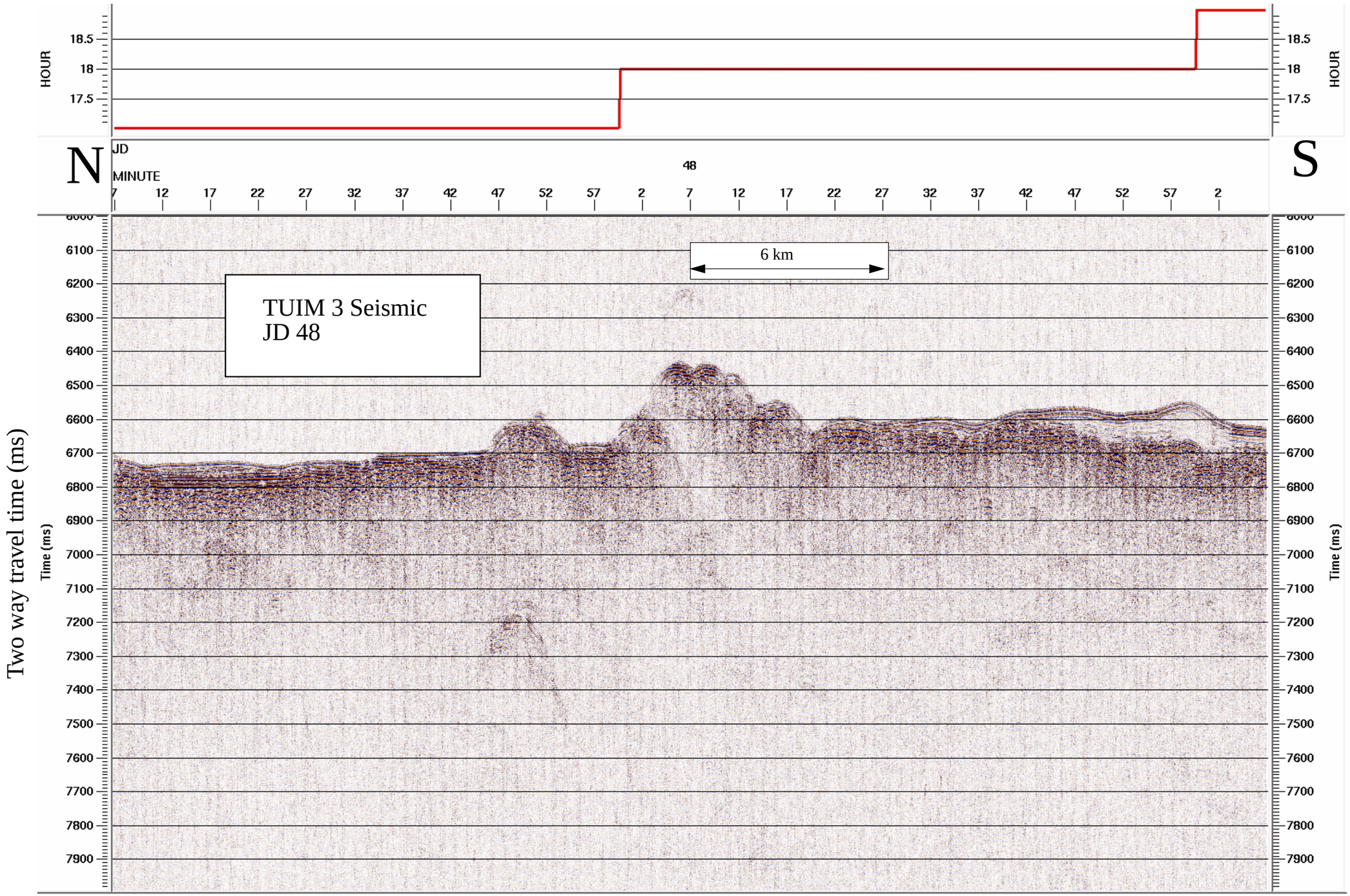

Heading
Julian Day 48
260
240
220
200
180
Degrees
3:07 PM
5:07 PM
Ship Speed
13
12
11
10
9
8
knots
45:0:49.842 S
45:17:25.068 S
12 kHz Depth
4000
4500
5000
5500
meters
158:45:5.466 W
159:1:30.48 W
Total Magnetic Field
x 10^4
5.3
5.25
5.2
5.15
nT
File=12241
File=12960

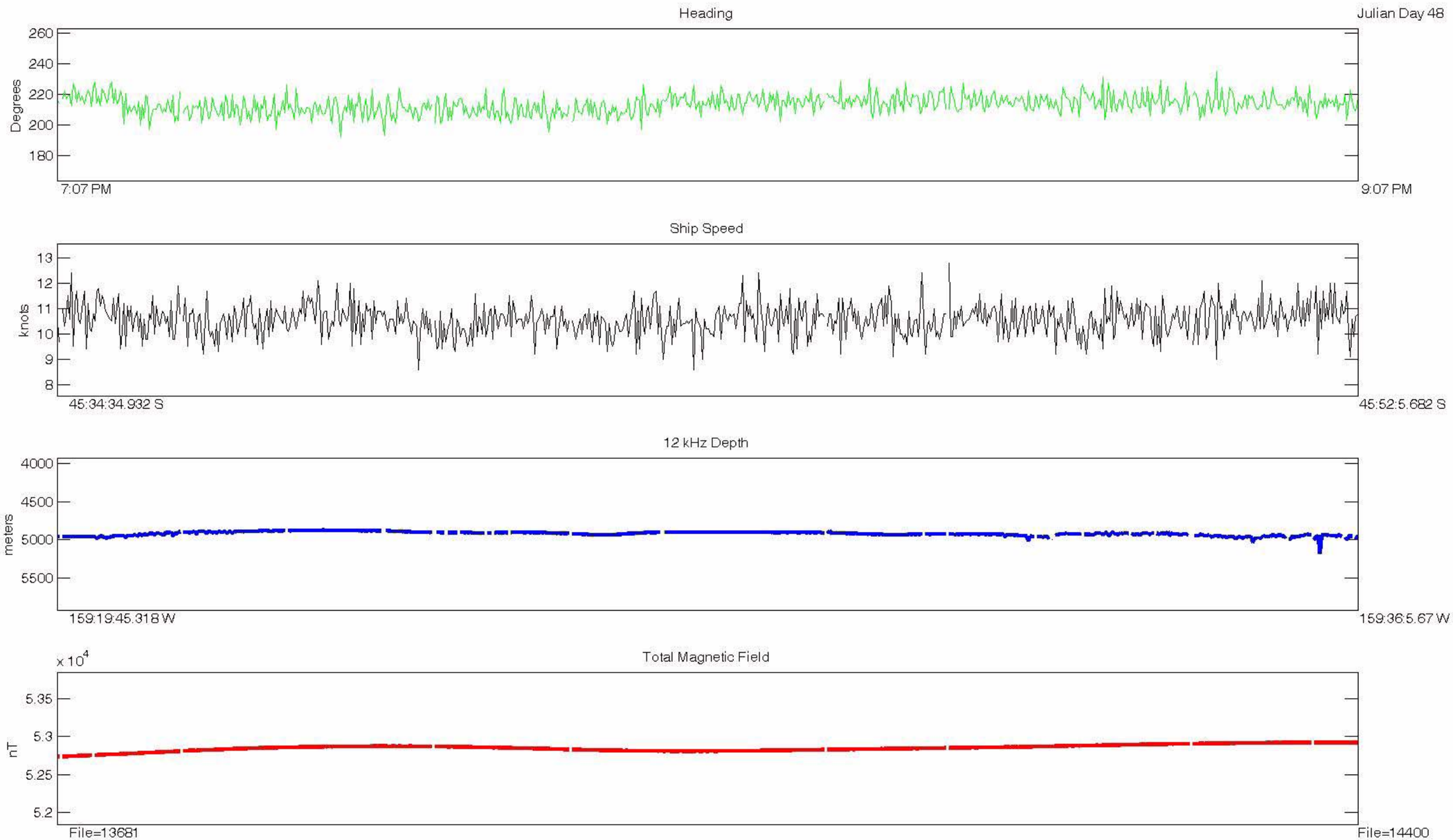

HOUR
16.5
16
15.5
N
S
JD
MINUTE
48
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 48
Time (ms)
4800
5000
5200
5400
5600
5800
6000
6200
6400
6600
6800
7000
7200
7400
7600
Two way travel time (ms)

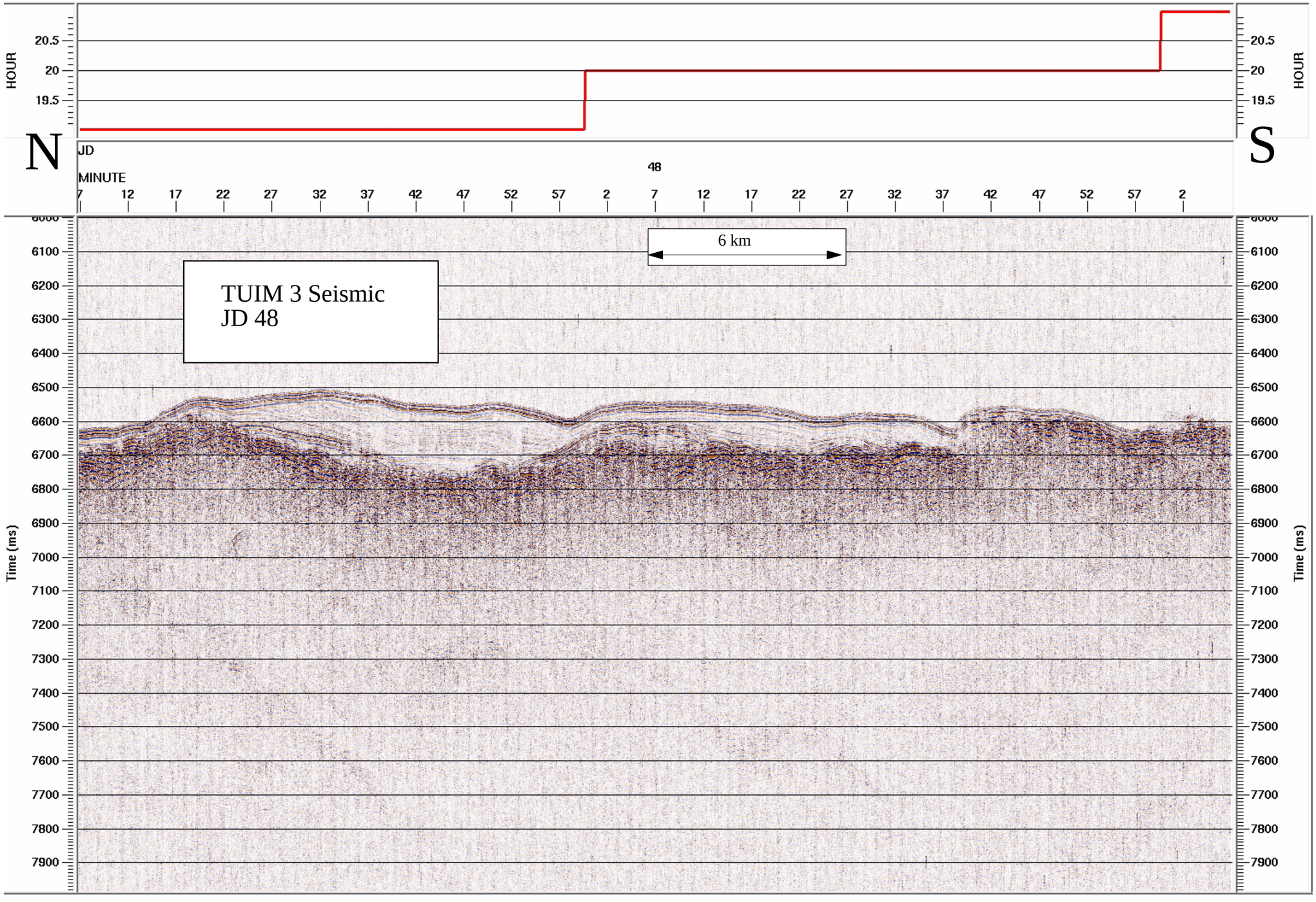
Data File SBfixavg.2005feb17.1800-2400

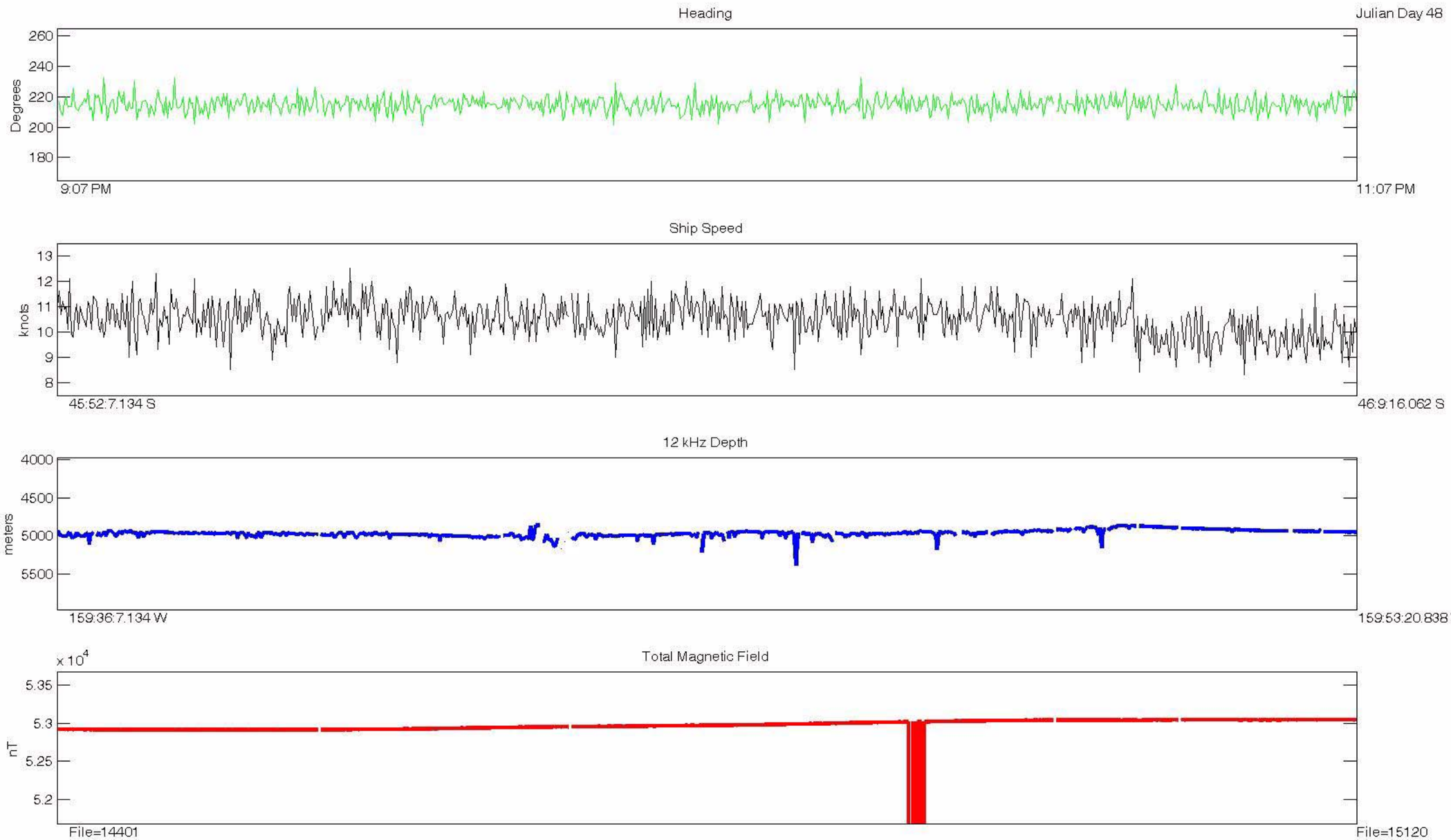


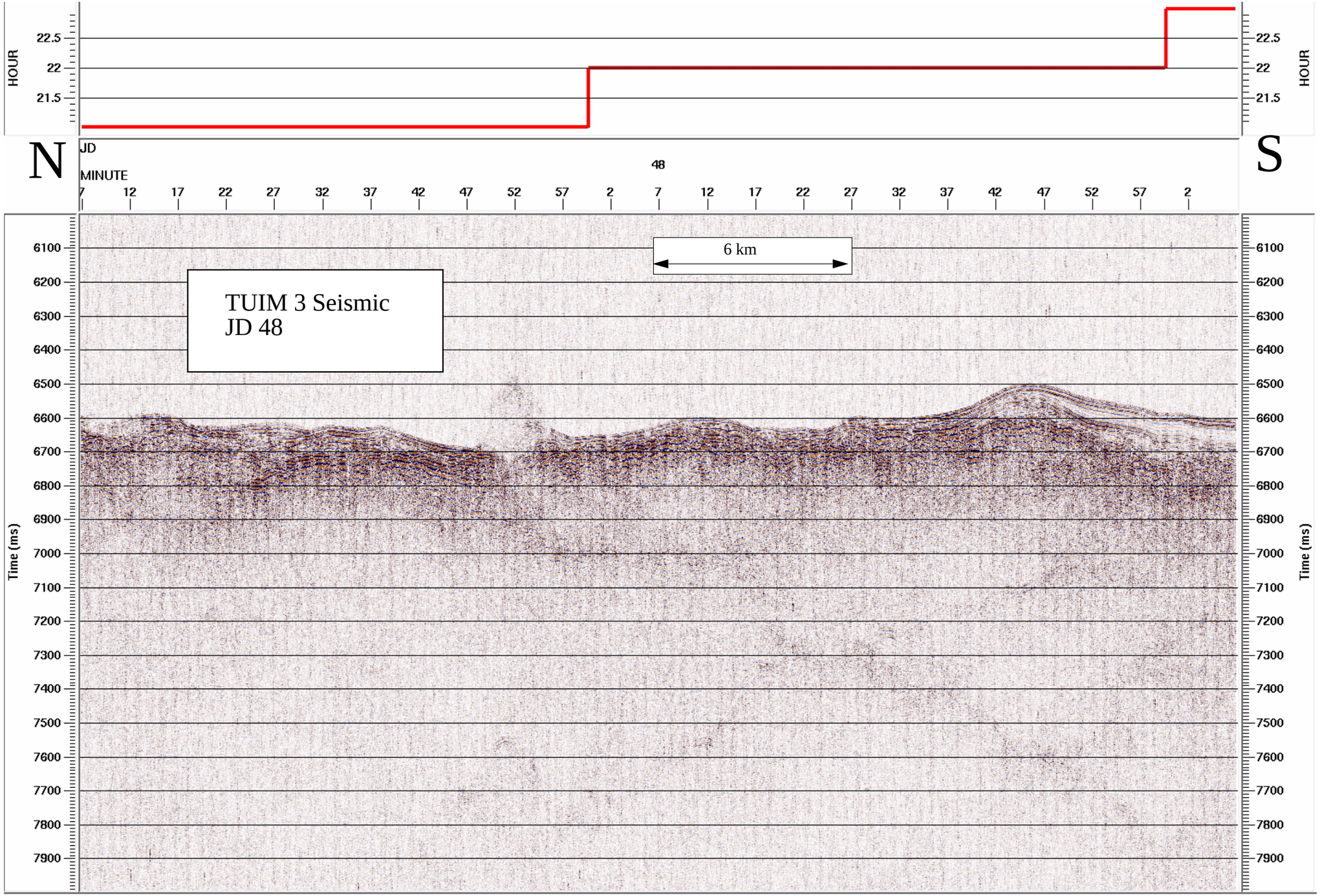

Heading
Julian Day 48
Degrees
260
240
220
200
180
5:07 PM
7:07 PM
Ship Speed
knots
13
12
11
10
9
8
45:17:26.484 S
45:34:33.606 S
12 kHz Depth
meters
4000
4500
5000
5500
159:1:31.938 W
159:19:43.632
x 10^4
Total Magnetic Field
nT
5.35
5.3
5.25
5.2
File=12961
File=13680

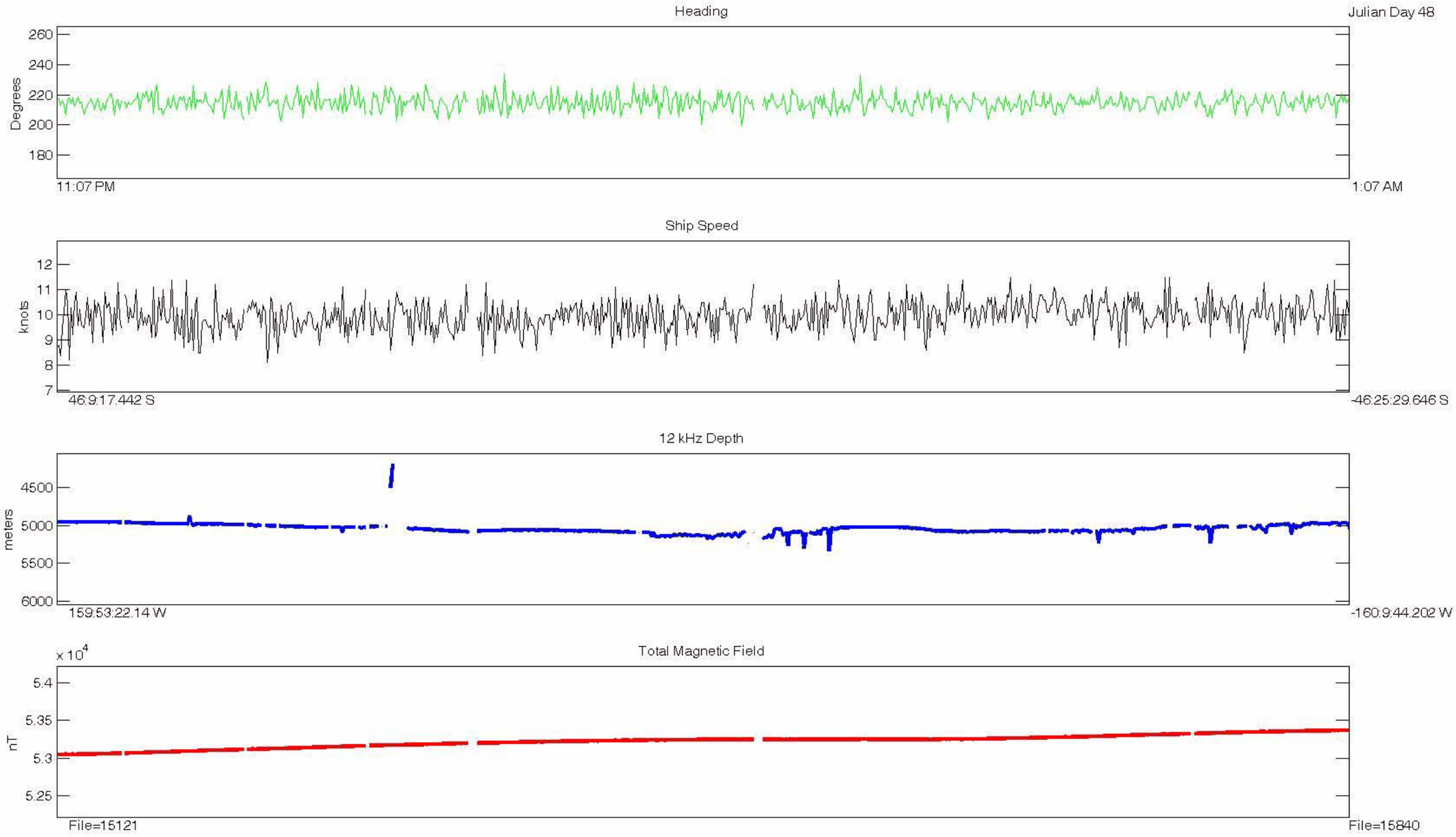

HOUR
18.5
18
17.5
N
S
JD
48
MINUTE
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 48
Two way travel time (ms)
Time (ms)
6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900

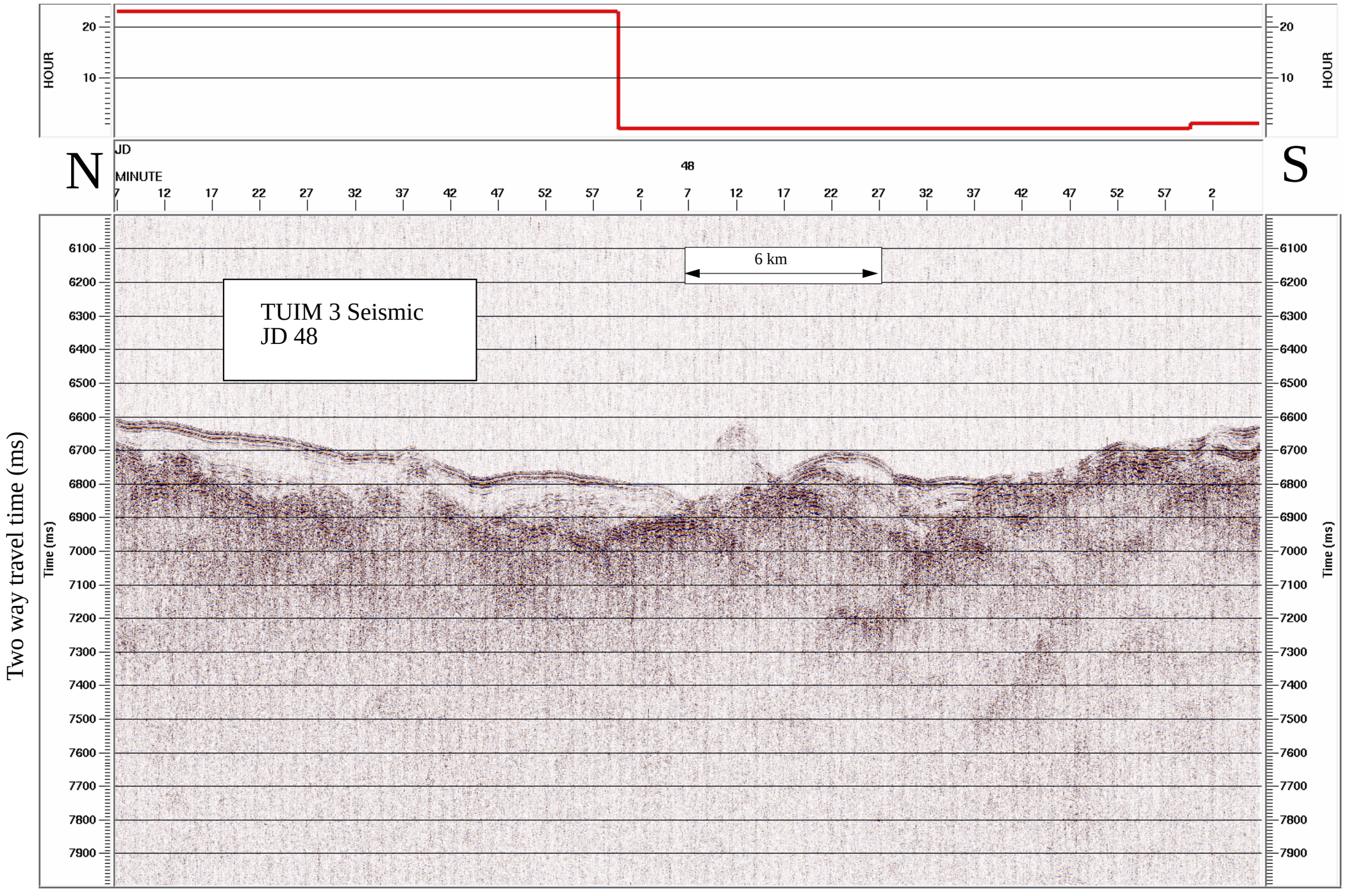

Heading
Julian Day 48
260
240
220
200
180
Degrees
7:07 PM
9:07 PM
Ship Speed
13
12
11
10
9
8
knots
45:34:34.932 S
45:52:5.682 S
12 kHz Depth
4000
4500
5000
5500
meters
159:19:45.318 W
159:36:5.67 W
x 10^4
Total Magnetic Field
5.35
5.3
5.25
5.2
nT
File=13681
File=14400


HOUR
20.5
20
19.5
N
S
JD
48
MINUTE
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 48
Time (ms)
6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900
Two way travel time (ms)


Heading
Julian Day 48
260
240
220
200
180
Degrees
9:07 PM
11:07 PM
Ship Speed
13
12
11
10
9
8
knots
45:52:7.134 S
46:9:16.062 S
12 kHz Depth
4000
4500
5000
5500
meters
159:36:7.134 W
159:53:20.838 W
x 10^4
Total Magnetic Field
5.35
5.3
5.25
5.2
nT
File=14401
File=15120

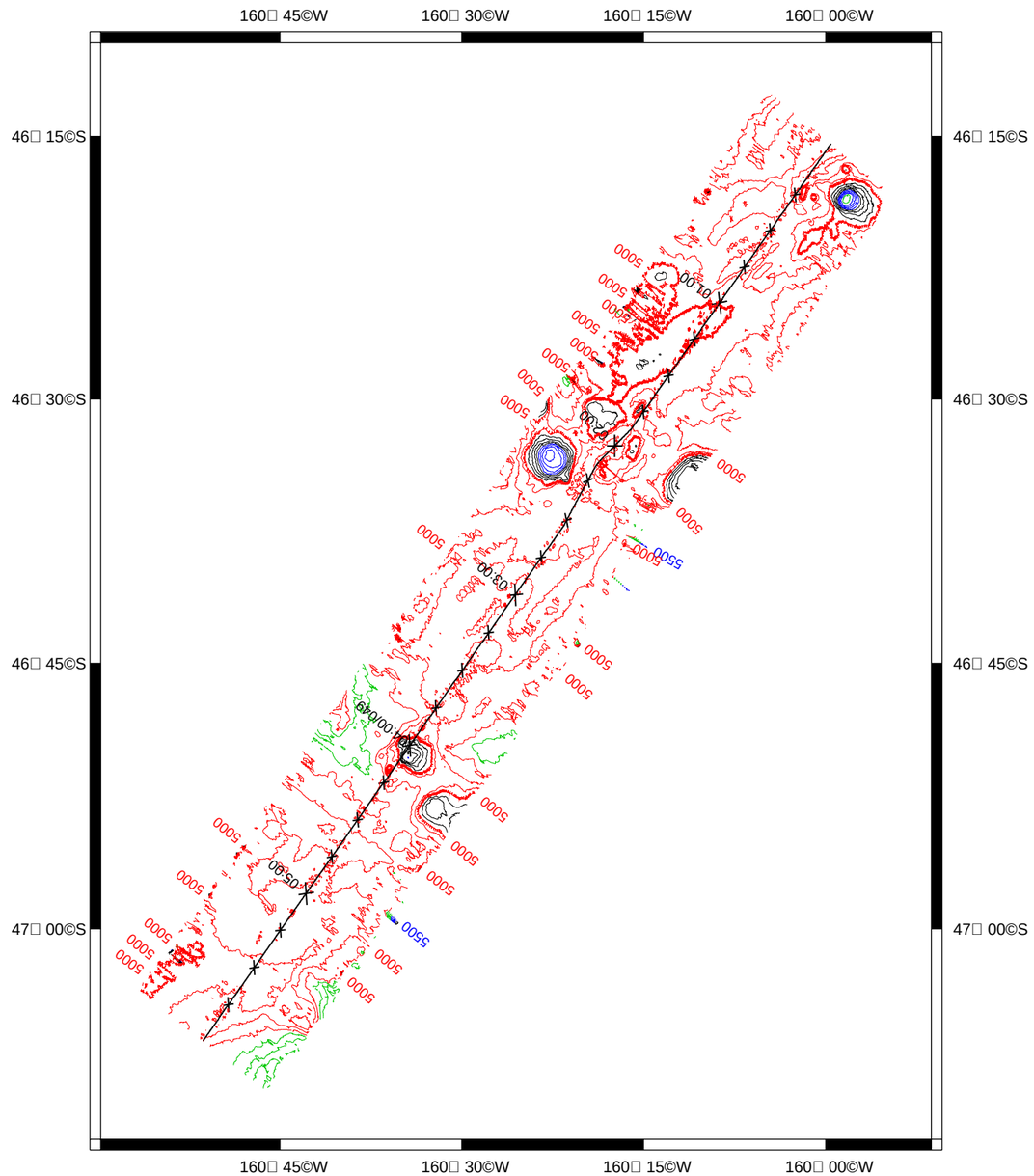

HOUR
22.5
22
21.5
N
S
JD
MINUTE
48
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 48
Time (ms)
6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900
Two way travel time (ms)

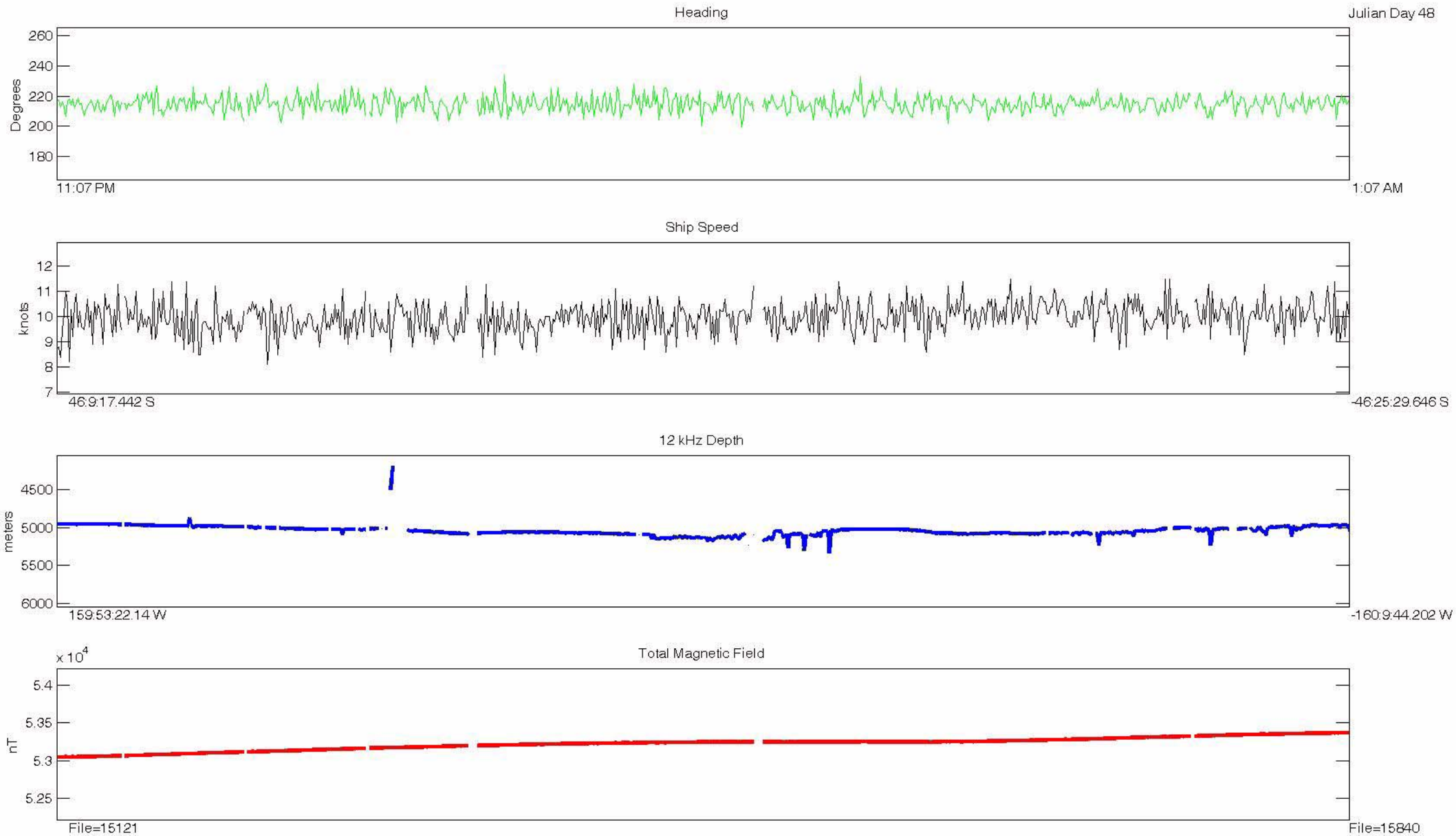

Heading
Julian Day 48
Degrees
260
240
220
200
180
11:07 PM
1:07 AM
Ship Speed
knots
12
11
10
9
8
7
46:9:17.442 S
-46:25:29.646 S
12 kHz Depth
meters
4500
5000
5500
6000
159:53:22.14 W
-160:9:44.202 W
Total Magnetic Field
x 10^4
nT
5.4
5.35
5.3
5.25
File=15121
File=15840

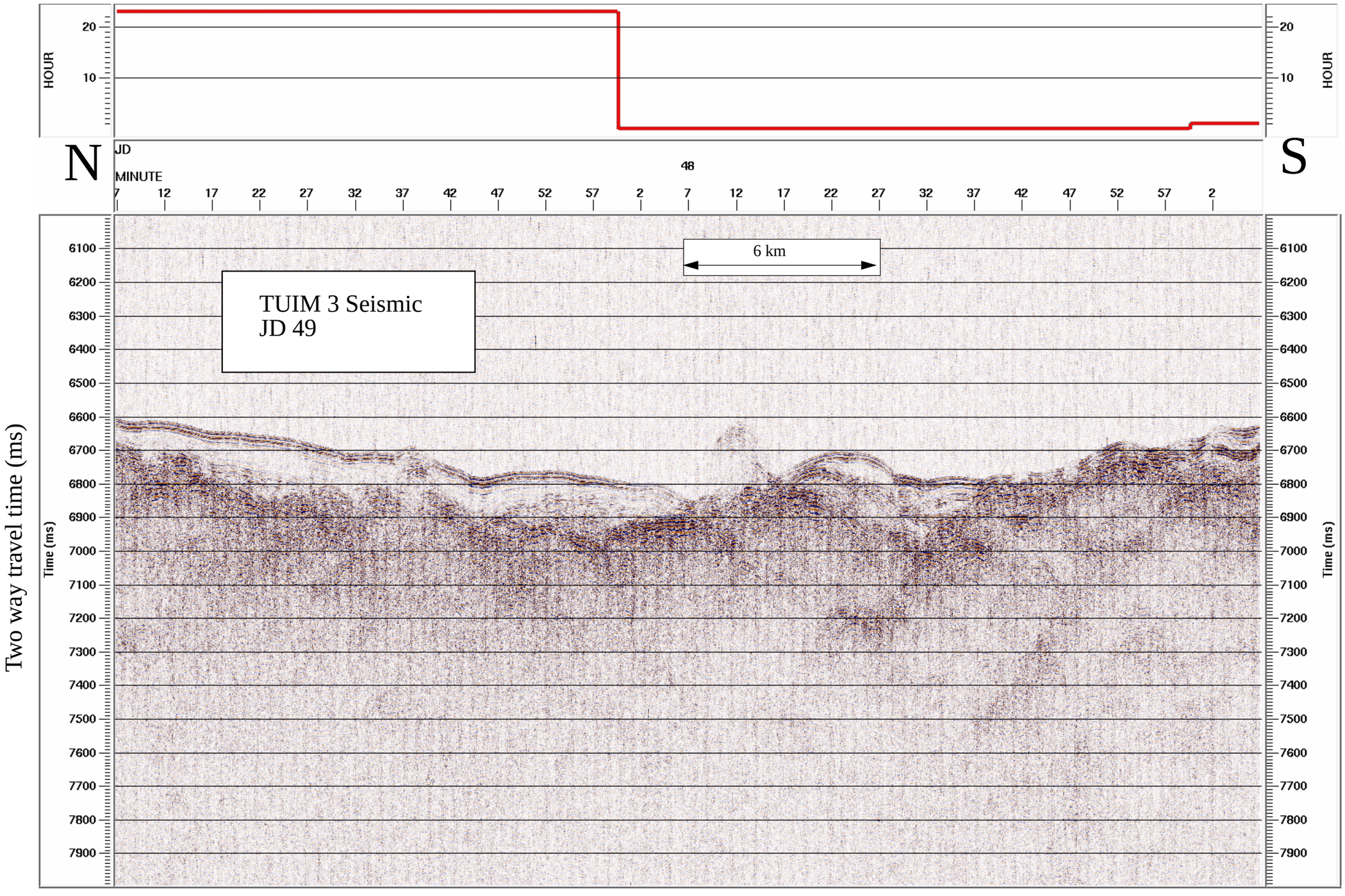

HOUR
20
10
N
S
JD
48
MINUTE
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 48
Time (ms)
6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900
Two way travel time (ms)

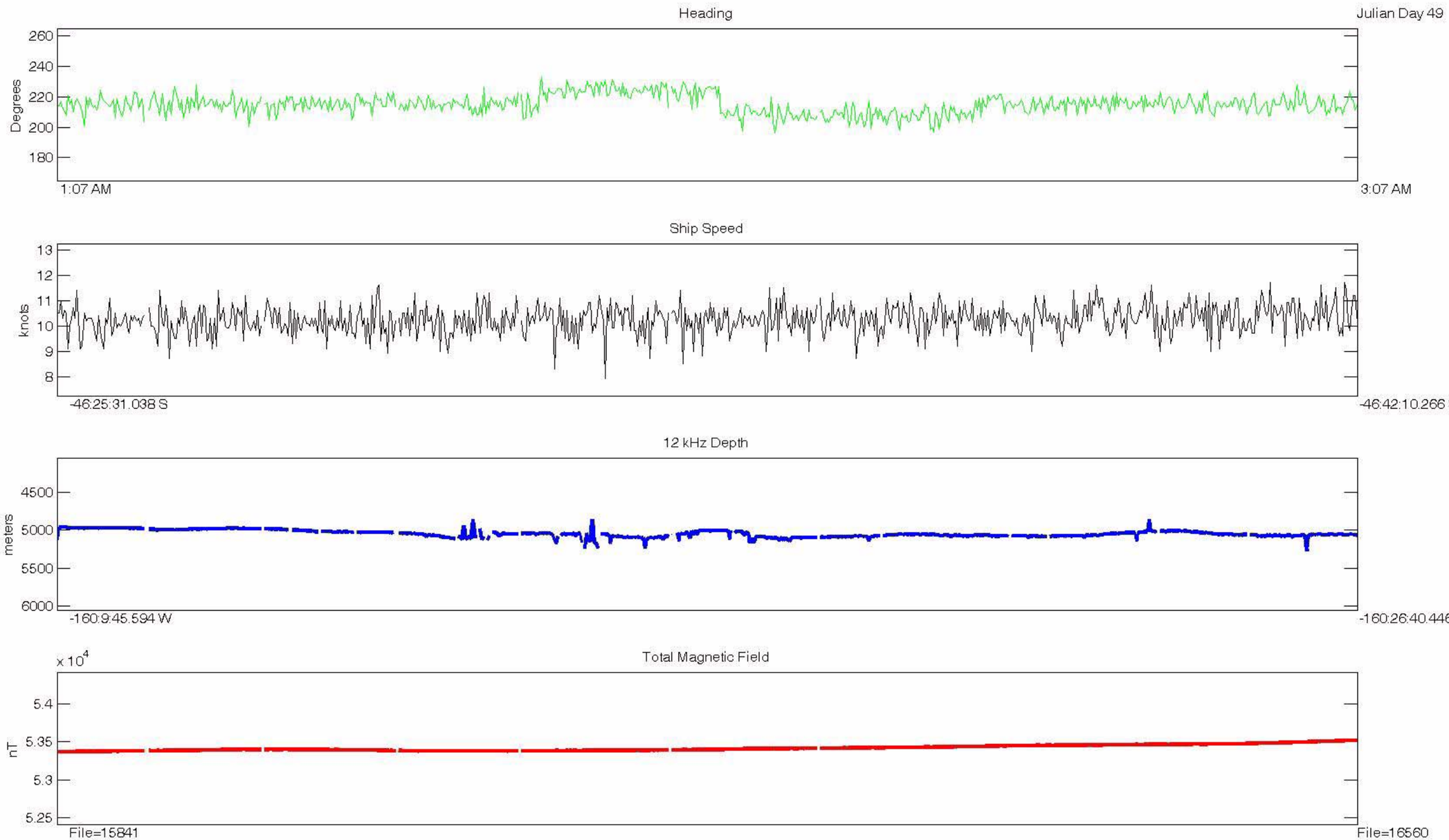
Julian Day 49
18 February 2005
150 c.i GI gun Source,
4-channel SIO streamer

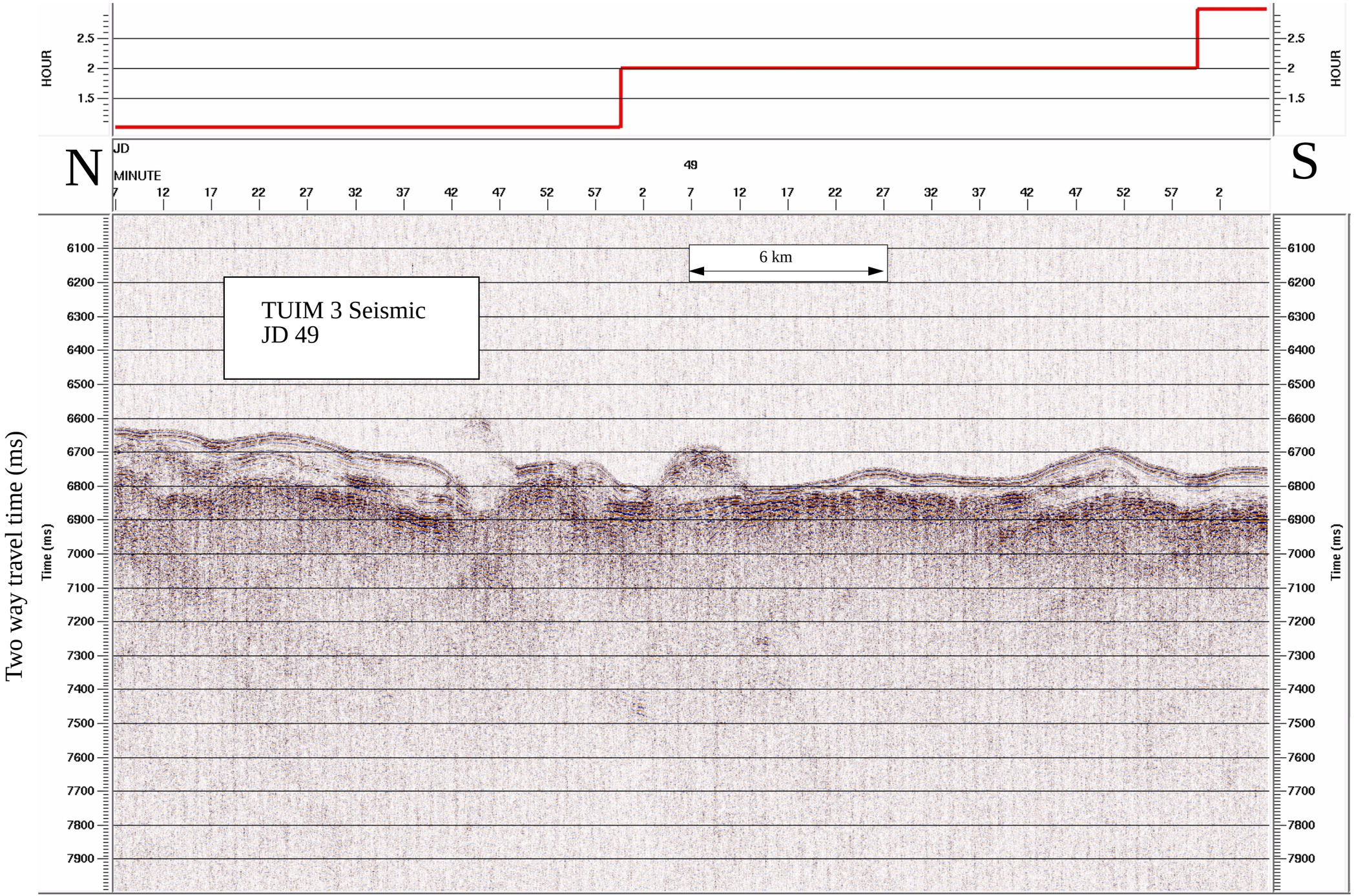
Data File SBfixavg.2005feb18.0000-0600

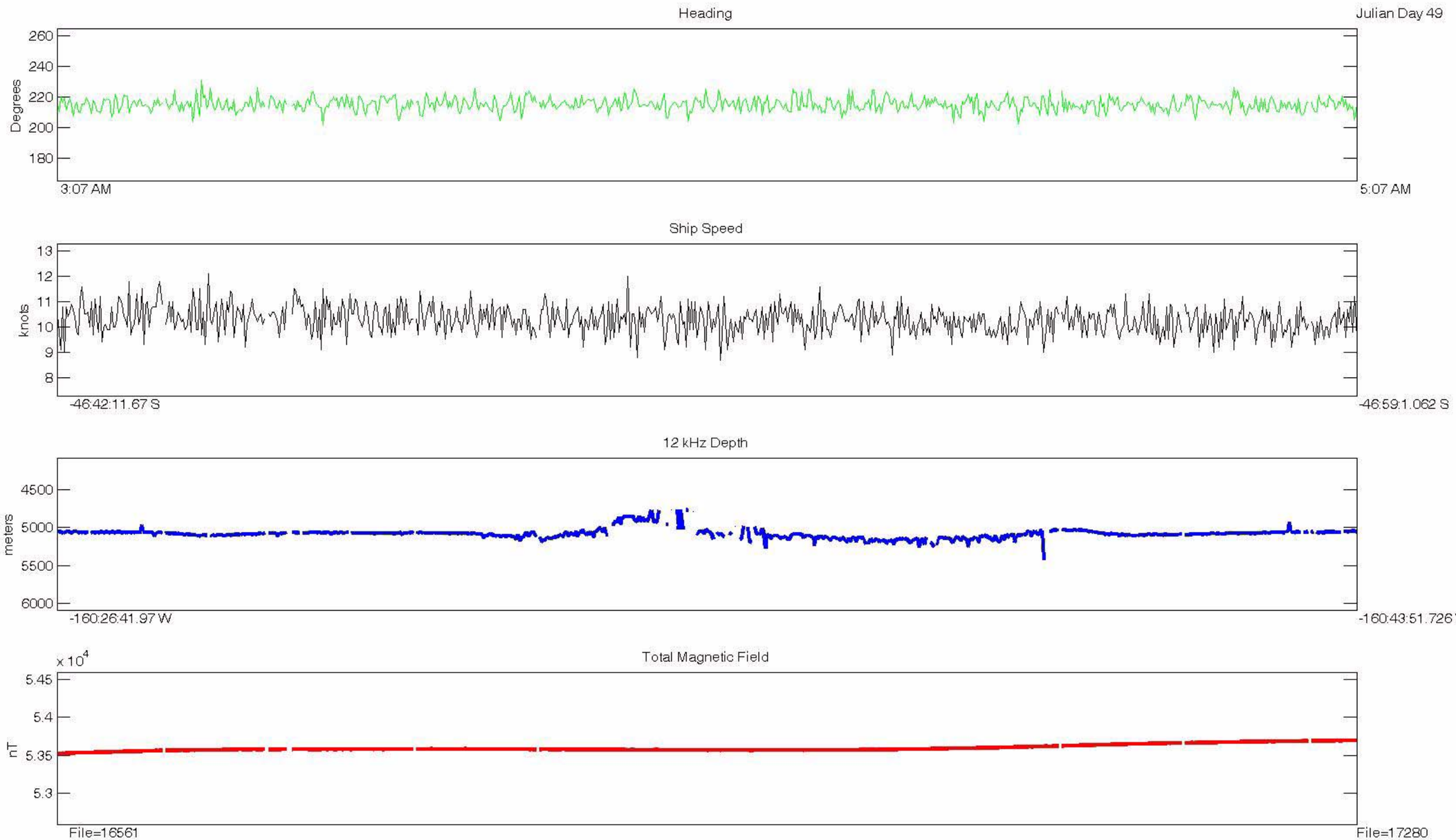


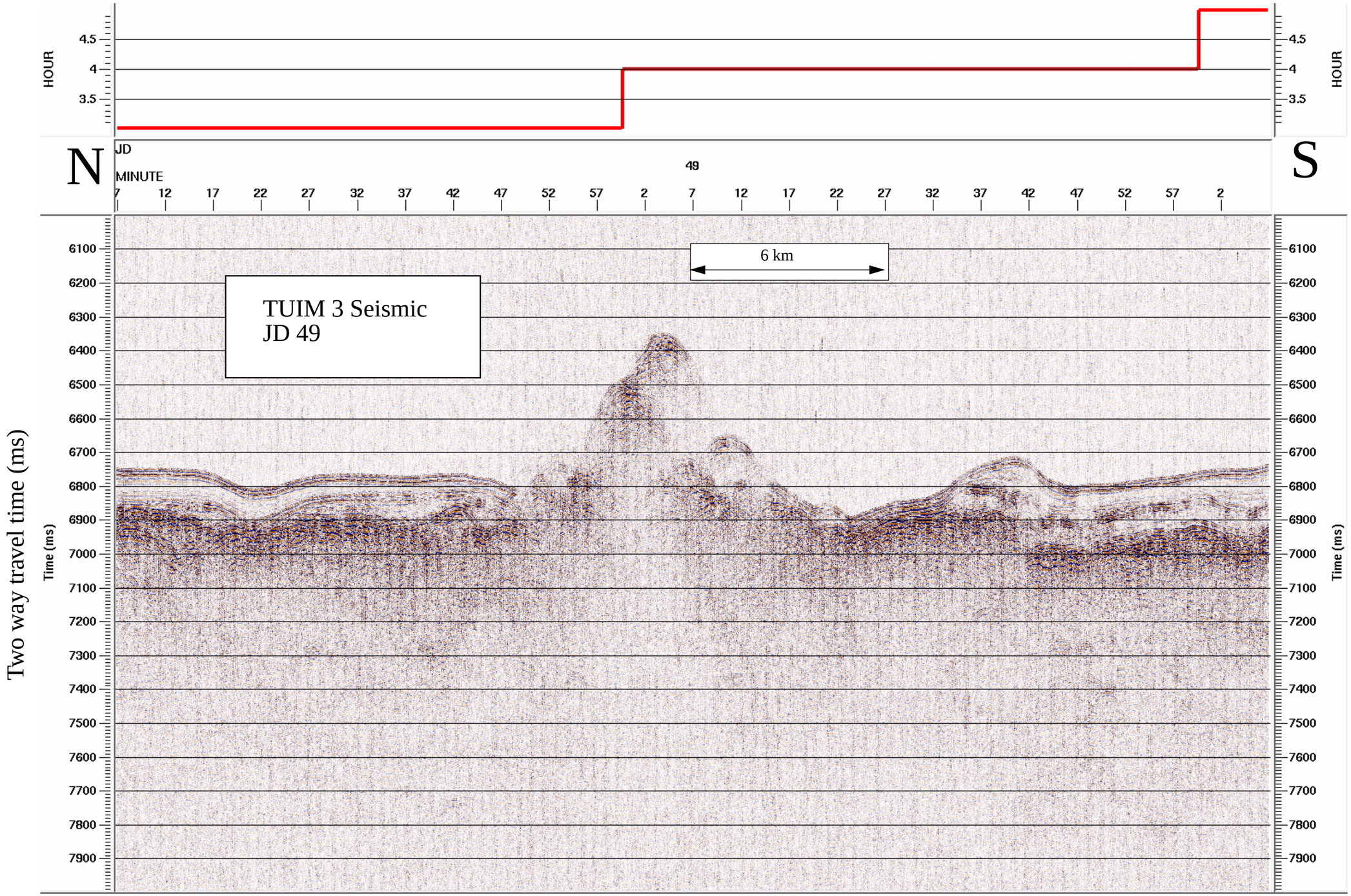

Heading
Julian Day 48
Degrees
260
240
220
200
180
11:07 PM
1:07 AM
Ship Speed
knots
12
11
10
9
8
7
46:9:17.442 S
-46:25:29.646 S
12 kHz Depth
meters
4500
5000
5500
6000
159:53:22.14 W
-160:9:44.202 W
Total Magnetic Field
x 10^4
nT
5.4
5.35
5.3
5.25
File=15121
File=15840


HOUR
20
10
N
S
JD
MINUTE
48
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 49
Time (ms)
6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900
Two way travel time (ms)

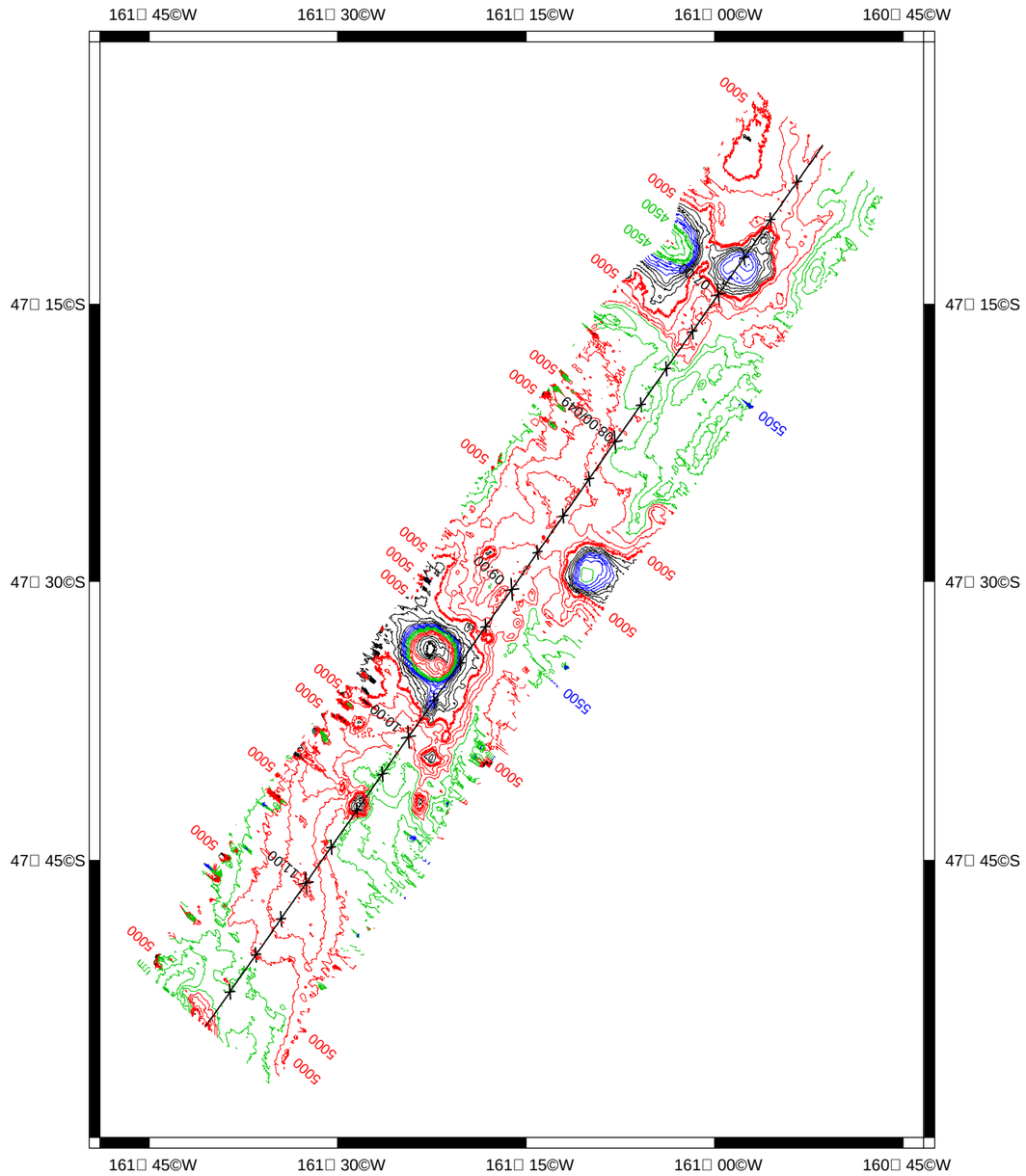

Heading
Julian Day 49
Degrees
260
240
220
200
180
1:07 AM
3:07 AM
Ship Speed
knots
13
12
11
10
9
8
-46:25:31.038 S
-46:42:10.266 S
12 kHz Depth
meters
4500
5000
5500
6000
-160:9:45.594 W
-160:26:40.446 W
x 10^4
Total Magnetic Field
nT
5.4
5.35
5.3
5.25
File=15841
File=16560

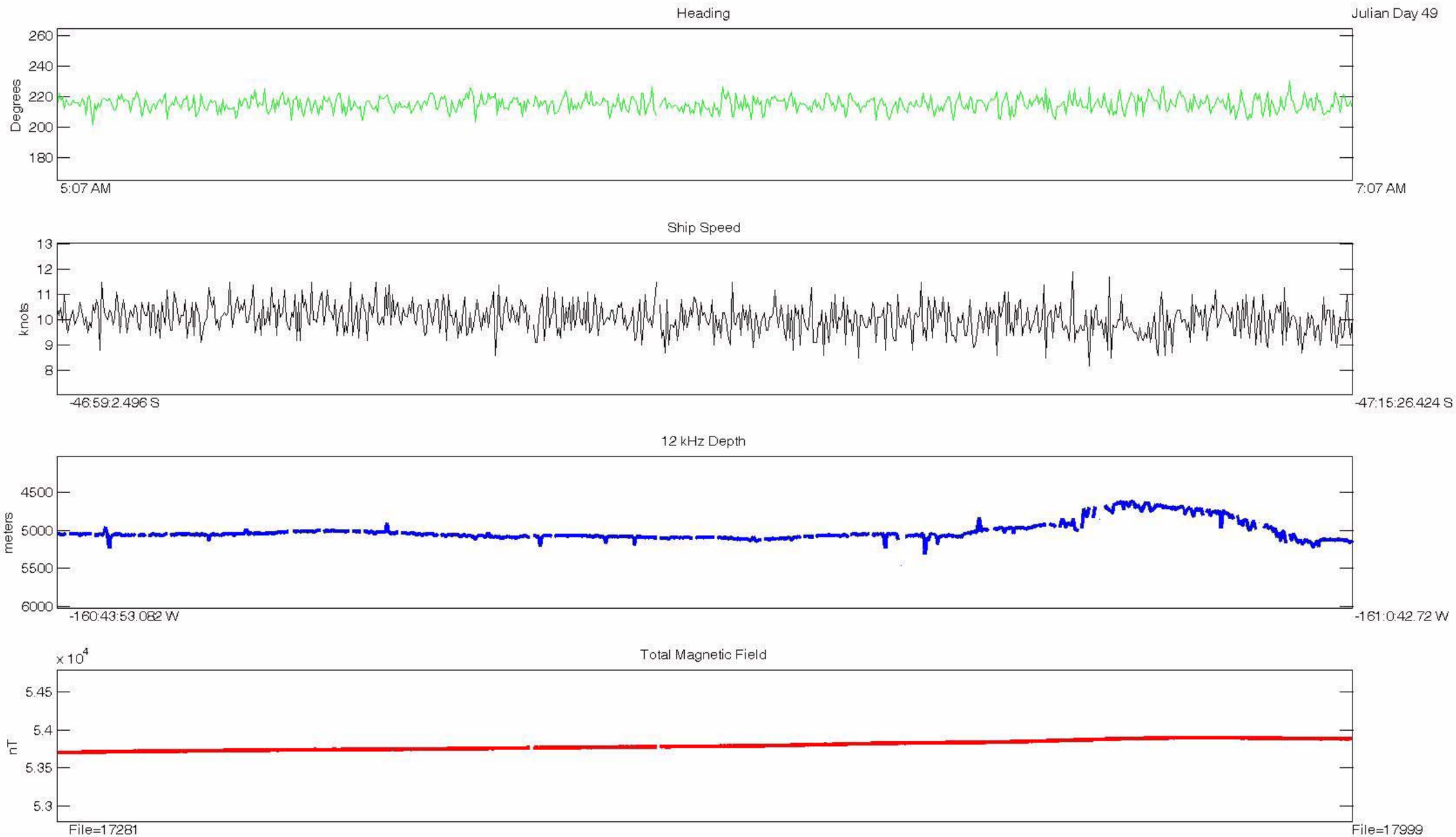

HOUR
2.5
2
1.5
N
S
JD
49
MINUTE
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 49
Two way travel time (ms)
Time (ms)
6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900

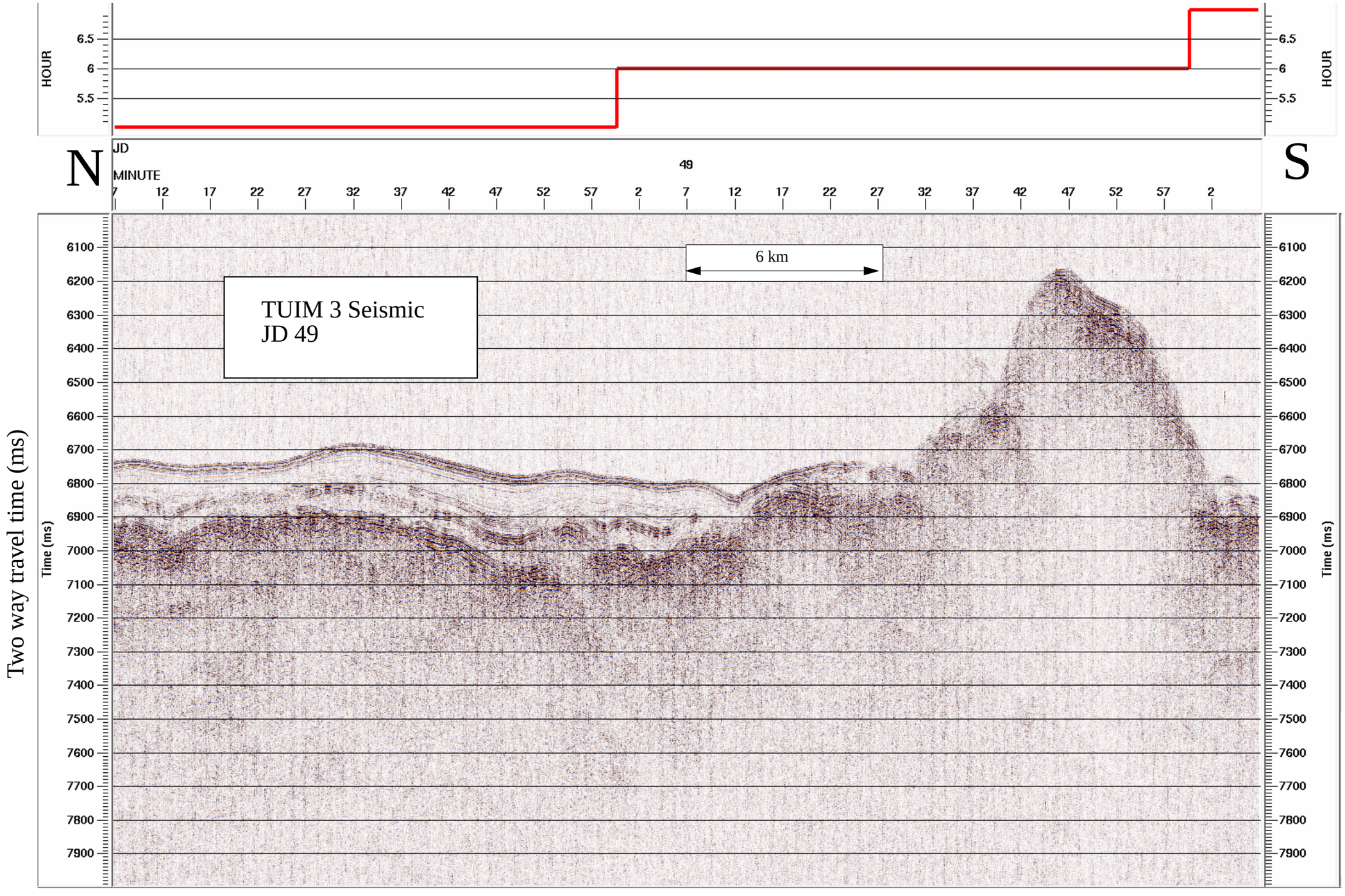

Heading
Julian Day 49
Degrees
260
240
220
200
180
3:07 AM
5:07 AM
Ship Speed
knots
13
12
11
10
9
8
-46:42:11.67 S
-46:59:1.062 S
12 kHz Depth
meters
4500
5000
5500
6000
-160:26:41.97 W
-160:43:51.726 W
Total Magnetic Field
x 10^4
nT
5.45
5.4
5.35
5.3
File=16561
File=17280

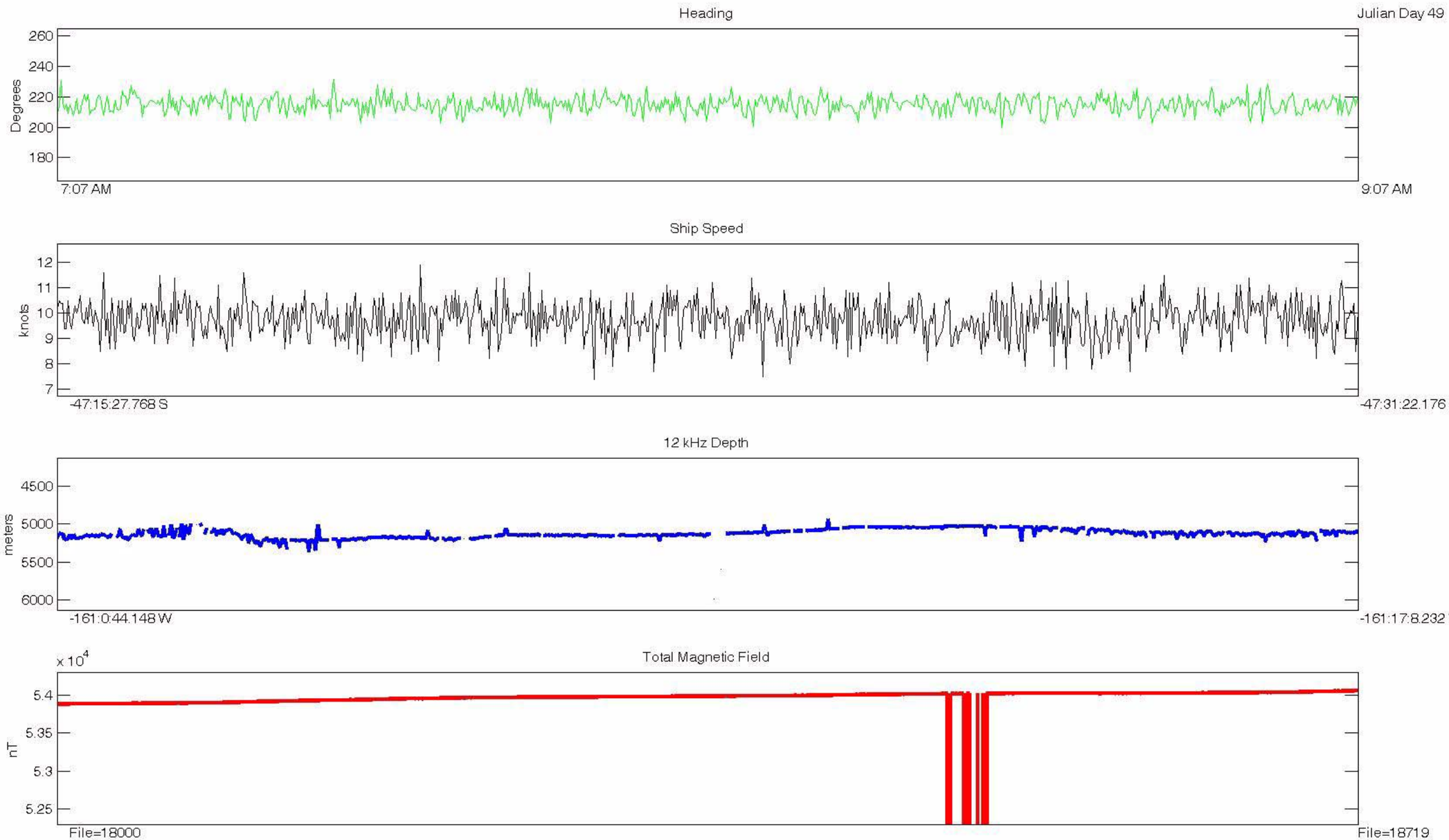

HOUR
4.5
4
3.5
N
S
JD
MINUTE
49
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 49
Time (ms)
6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900
Two way travel time (ms)

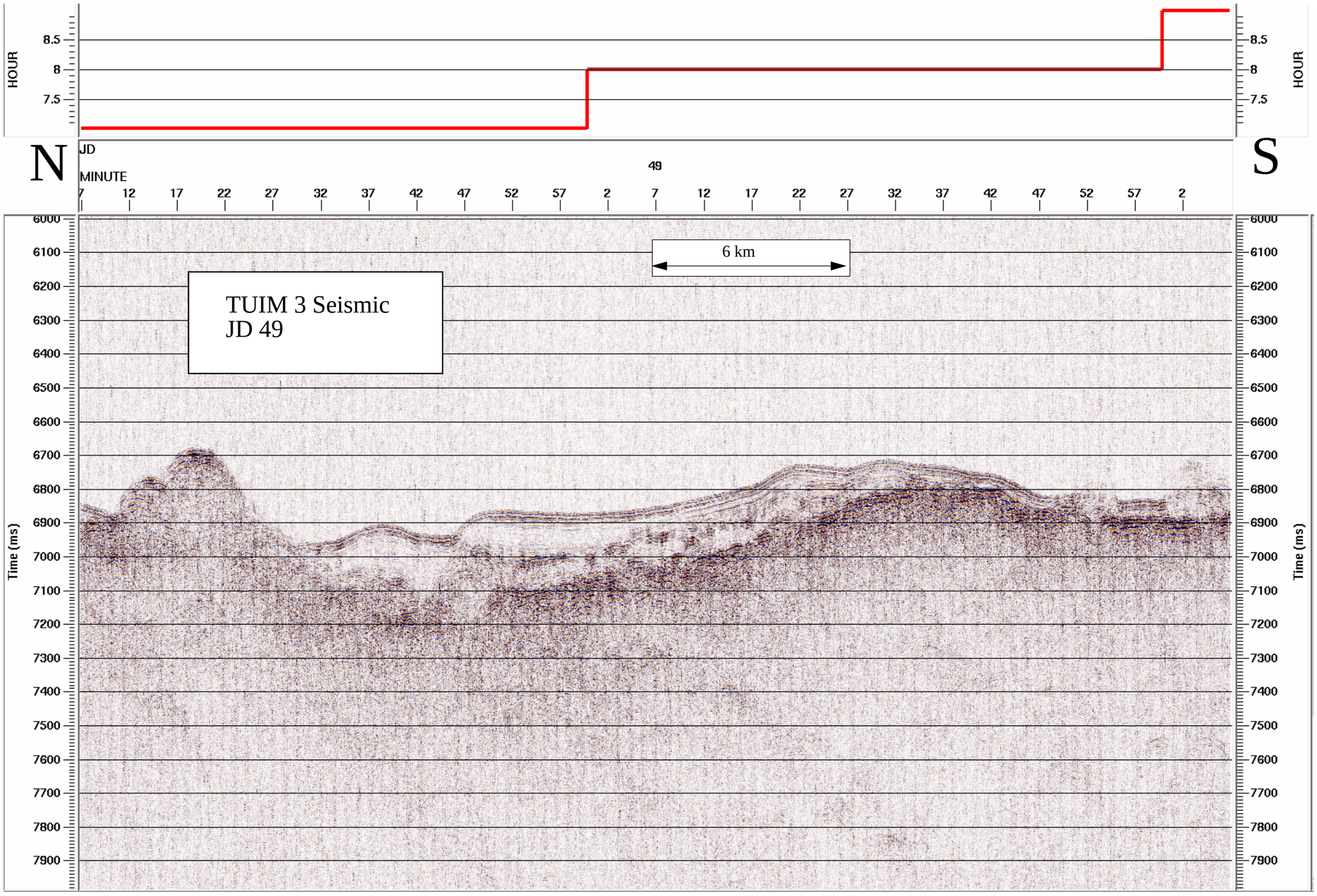
Data File SBfixavg.2005feb18.0600-1200

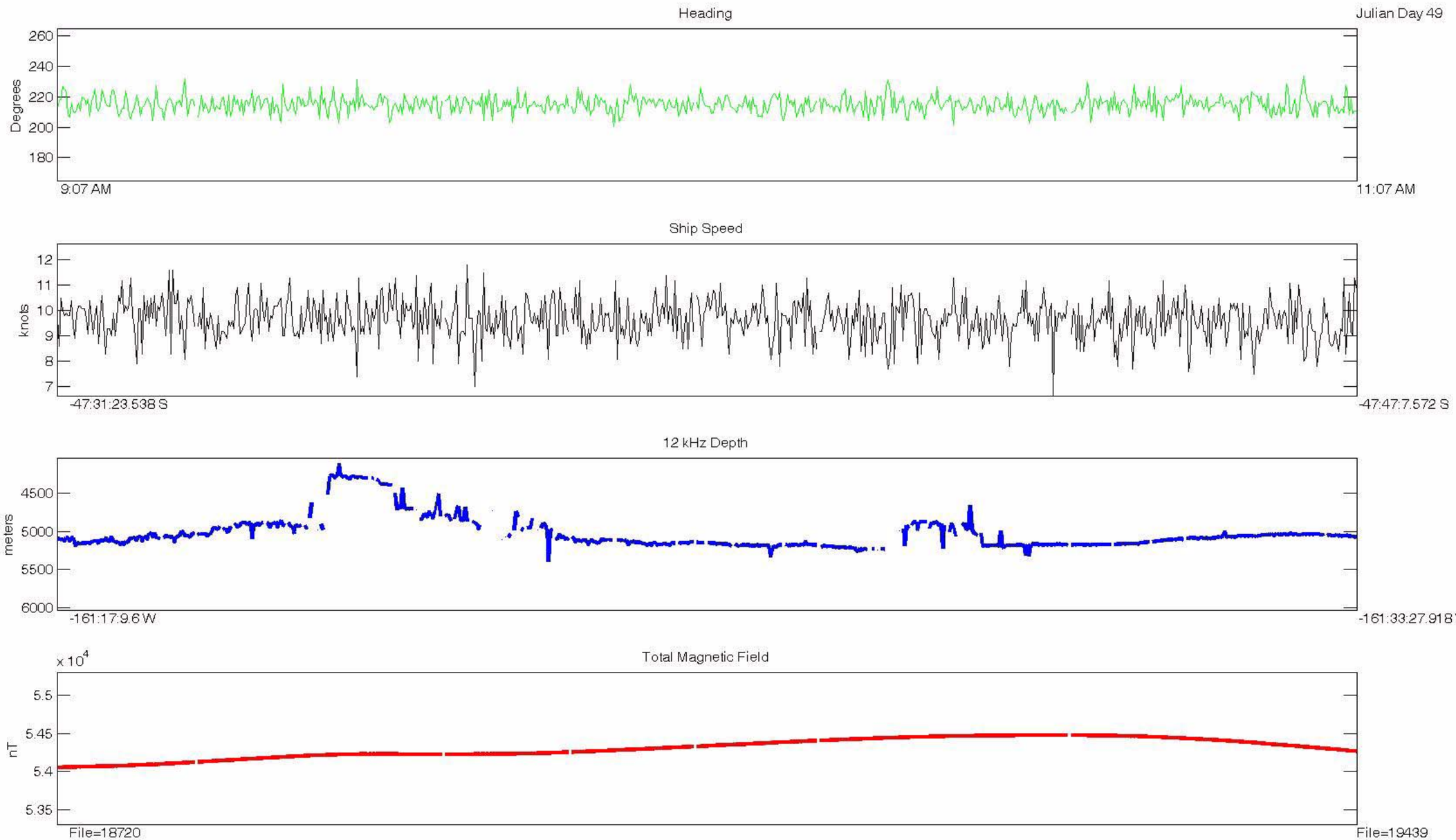


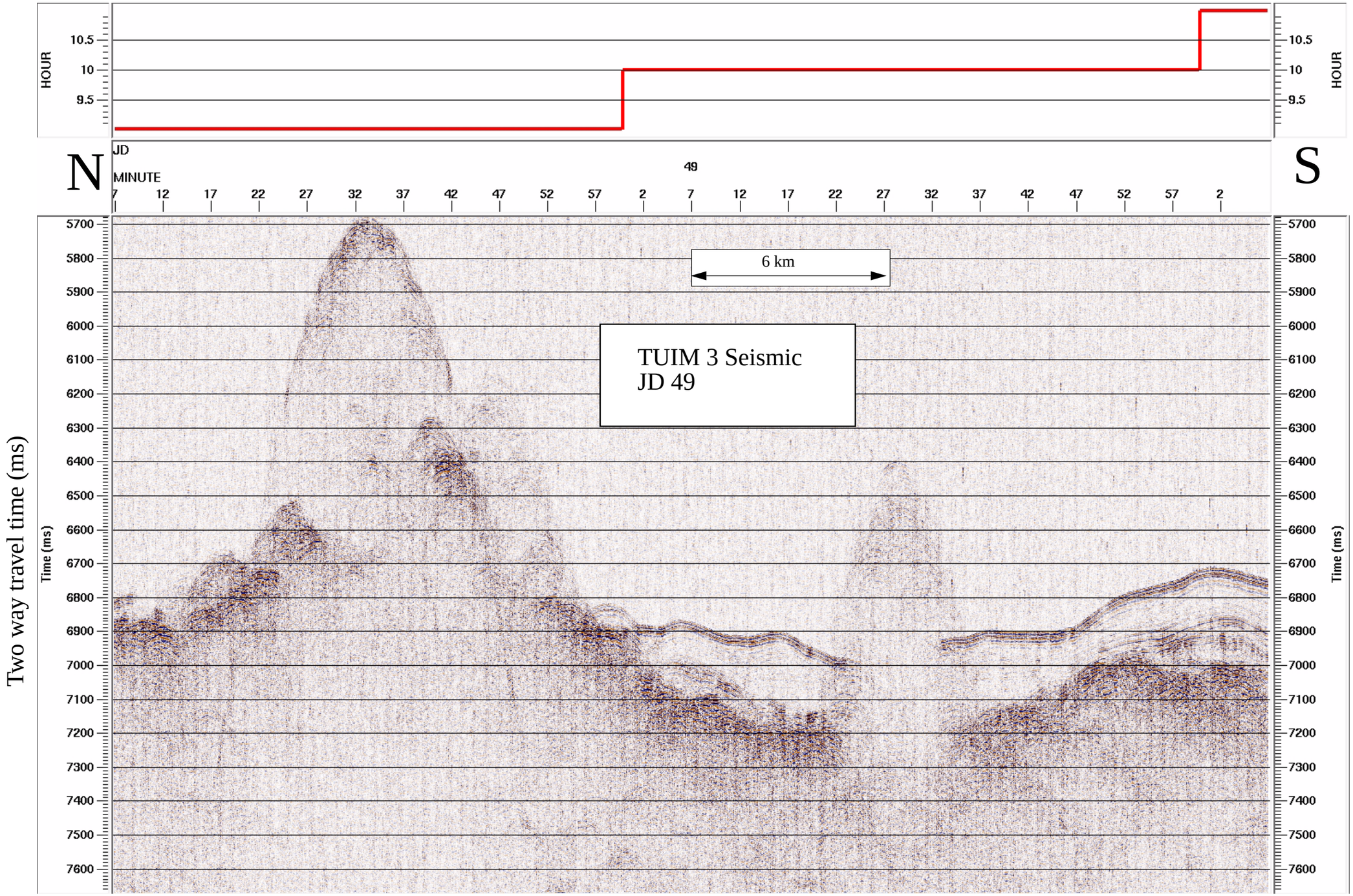

Heading
Julian Day 49
Degrees
260
240
220
200
180
5:07 AM
7:07 AM
Ship Speed
knots
13
12
11
10
9
8
-46:59:2.496 S
-47:15:26.424 S
12 kHz Depth
meters
4500
5000
5500
6000
-160:43:53.082 W
-161:0:42.72 W
Total Magnetic Field
x 10^4
nT
5.45
5.4
5.35
5.3
File=17281
File=17999

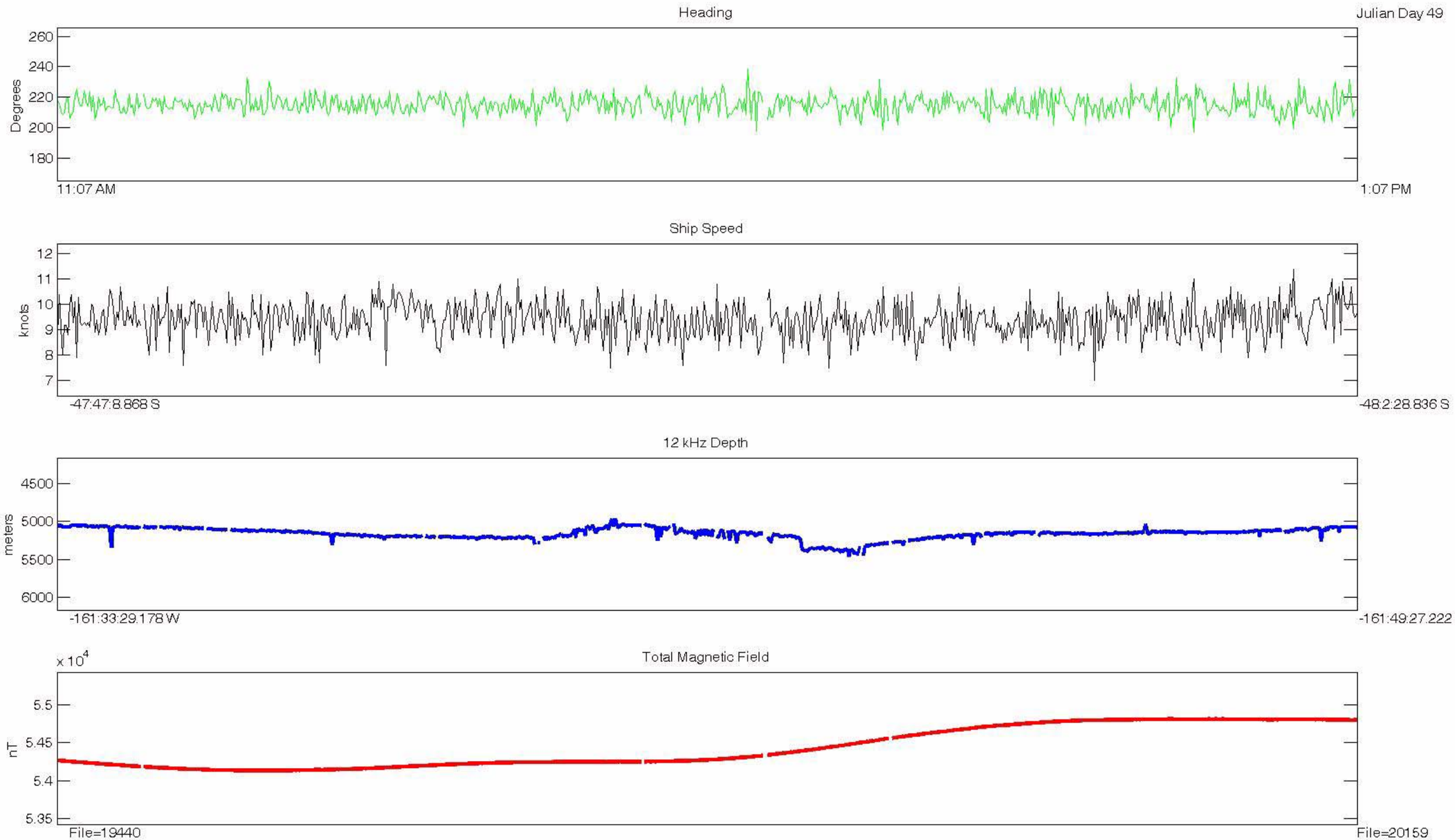

HOUR
6.5
6
5.5
N
S
JD
49
MINUTE
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 49
Time (ms)
6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900
Two way travel time (ms)

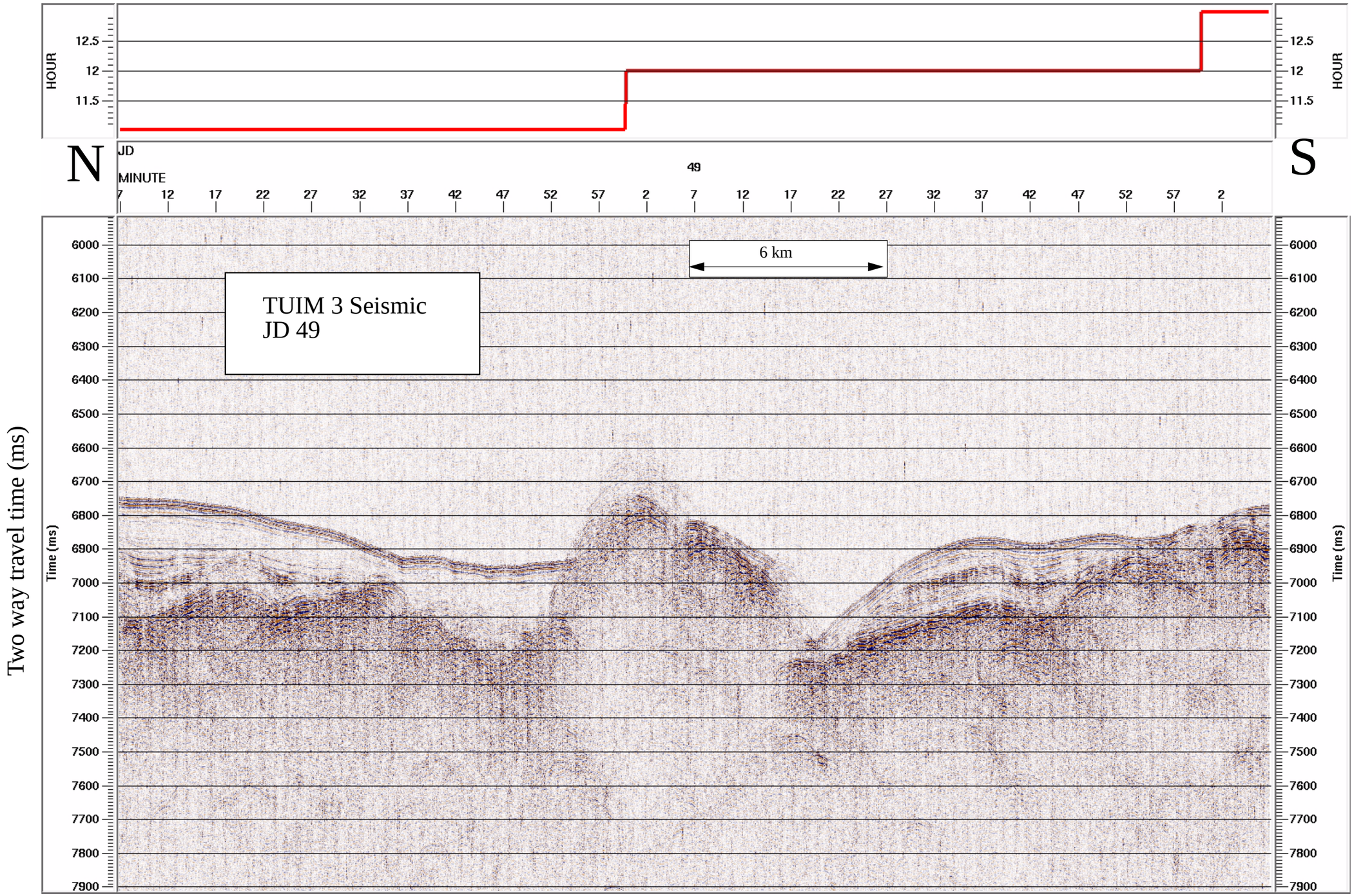

Heading
Julian Day 49
Degrees
260
240
220
200
180
7:07 AM
9:07 AM
Ship Speed
knots
12
11
10
9
8
7
-47:15:27.768 S
-47:31:22.176 S
12 kHz Depth
meters
4500
5000
5500
6000
-161:0:44.148 W
-161:17:8.232 W
Total Magnetic Field
x 10^4
nT
5.4
5.35
5.3
5.25
File=18000
File=18719


HOUR
8.5
8
7.5
N
S
JD
49
MINUTE
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 49
Time (ms)
6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900
Two way travel time (ms)

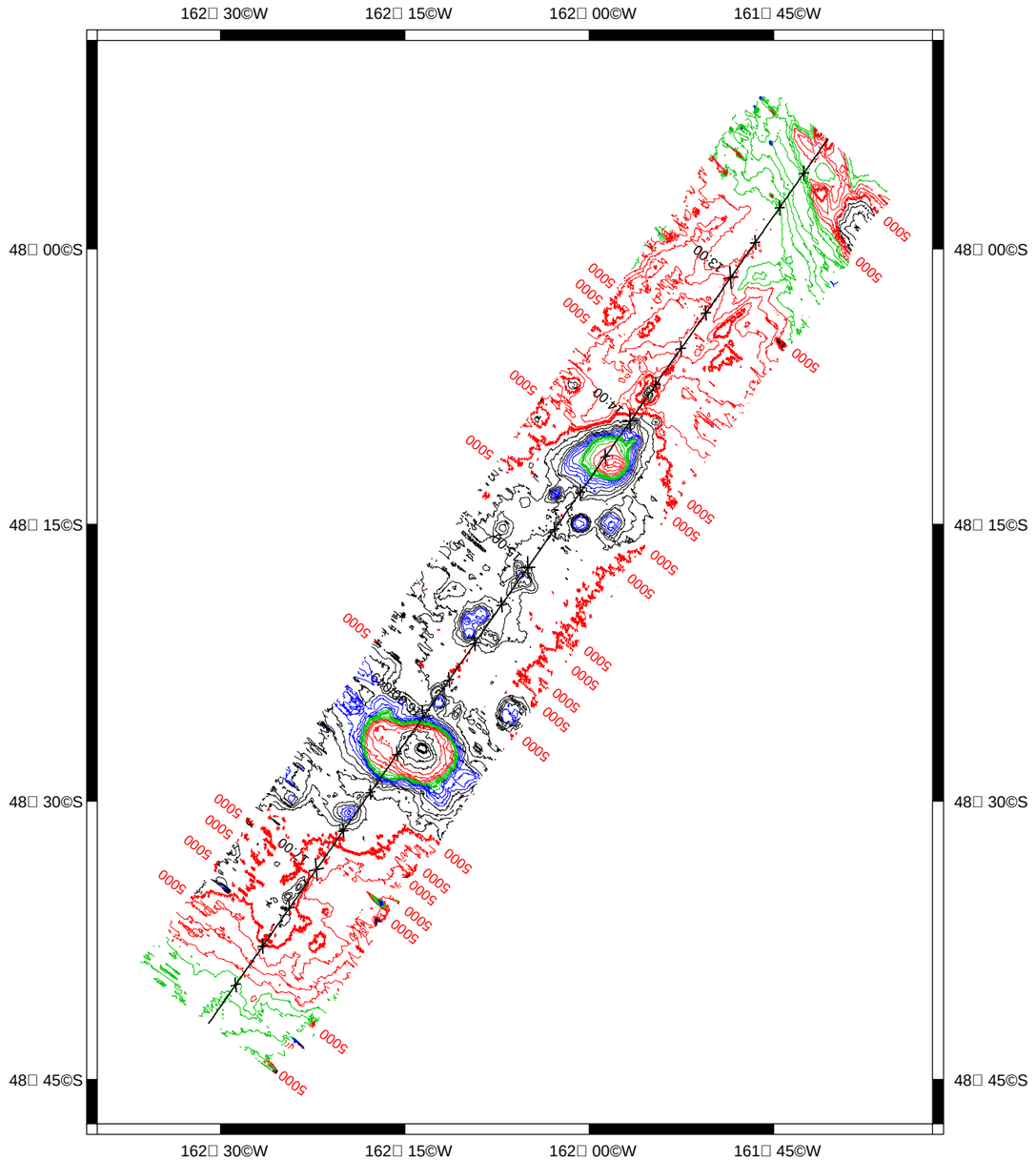

Heading
Julian Day 49
260
240
220
200
180
Degrees
9:07 AM
11:07 AM
Ship Speed
12
11
10
9
8
7
knots
-47:31:23.538 S
-47:47:7.572 S
12 kHz Depth
4500
5000
5500
6000
meters
-161:17:9.6 W
-161:33:27.918 W
x 10^4
Total Magnetic Field
5.5
5.45
5.4
5.35
nT
File=18720
File=19439

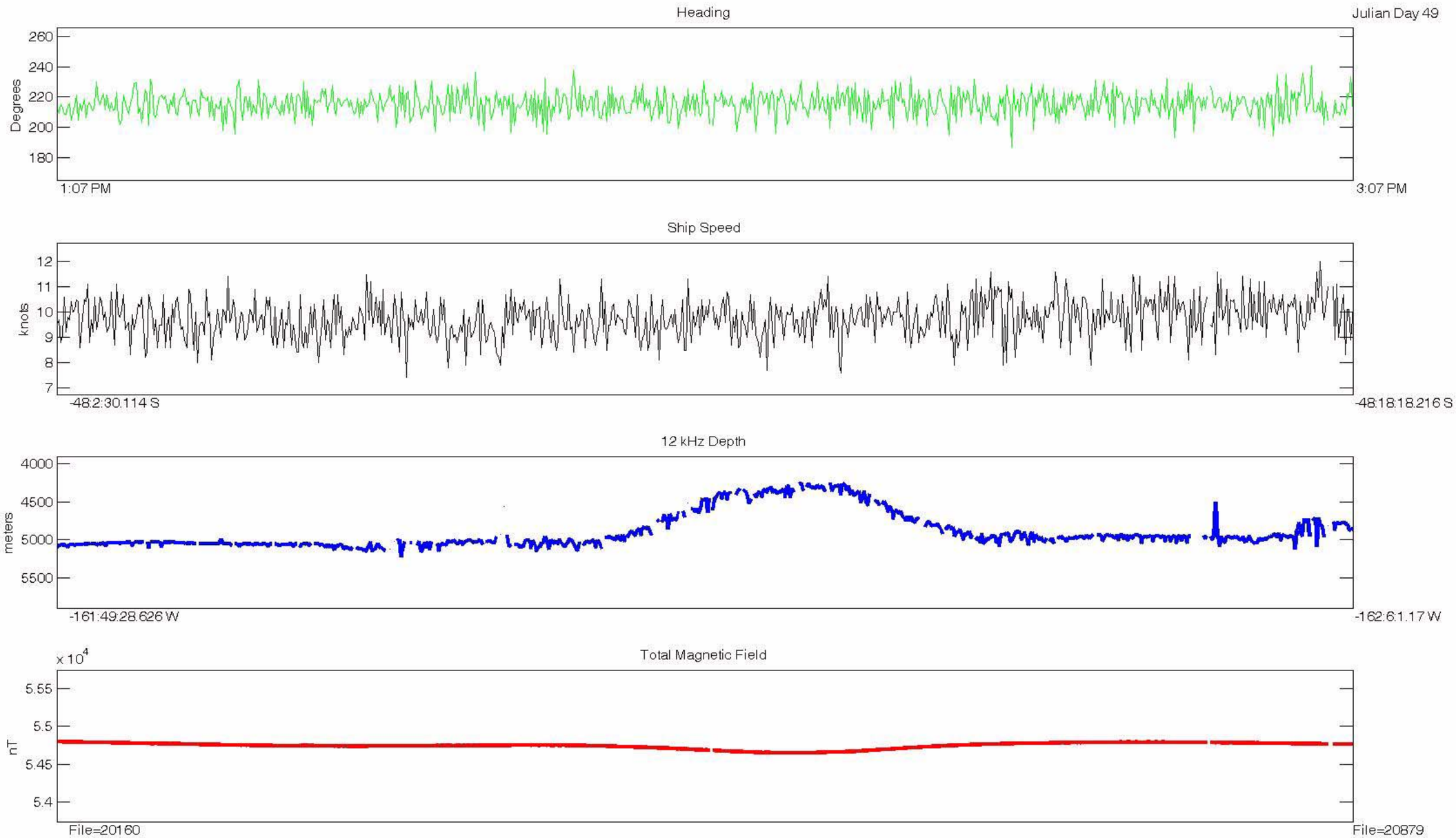

HOUR
10.5
10
9.5
N
S
JD
MINUTE
49
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 49
Two way travel time (ms)
Time (ms)
5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600

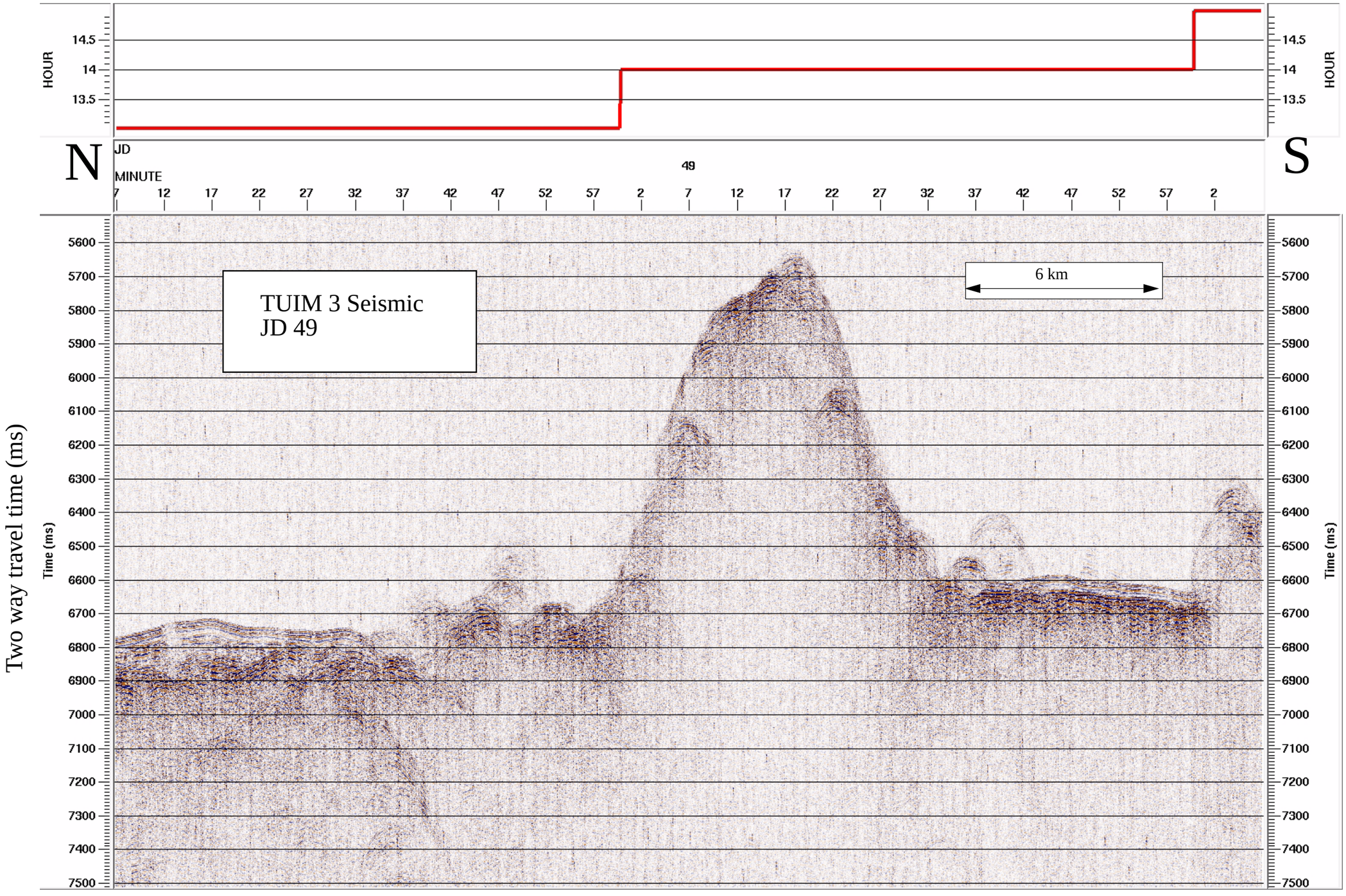

Heading
Julian Day 49
Degrees
260
240
220
200
180
11:07 AM
1:07 PM
Ship Speed
knots
12
11
10
9
8
7
-47:47:8.868 S
-48:2:28.836 S
12 kHz Depth
meters
4500
5000
5500
6000
-161:33:29.178 W
-161:49:27.222 W
Total Magnetic Field
x 10^4
nT
5.5
5.45
5.4
5.35
File=19440
File=20159

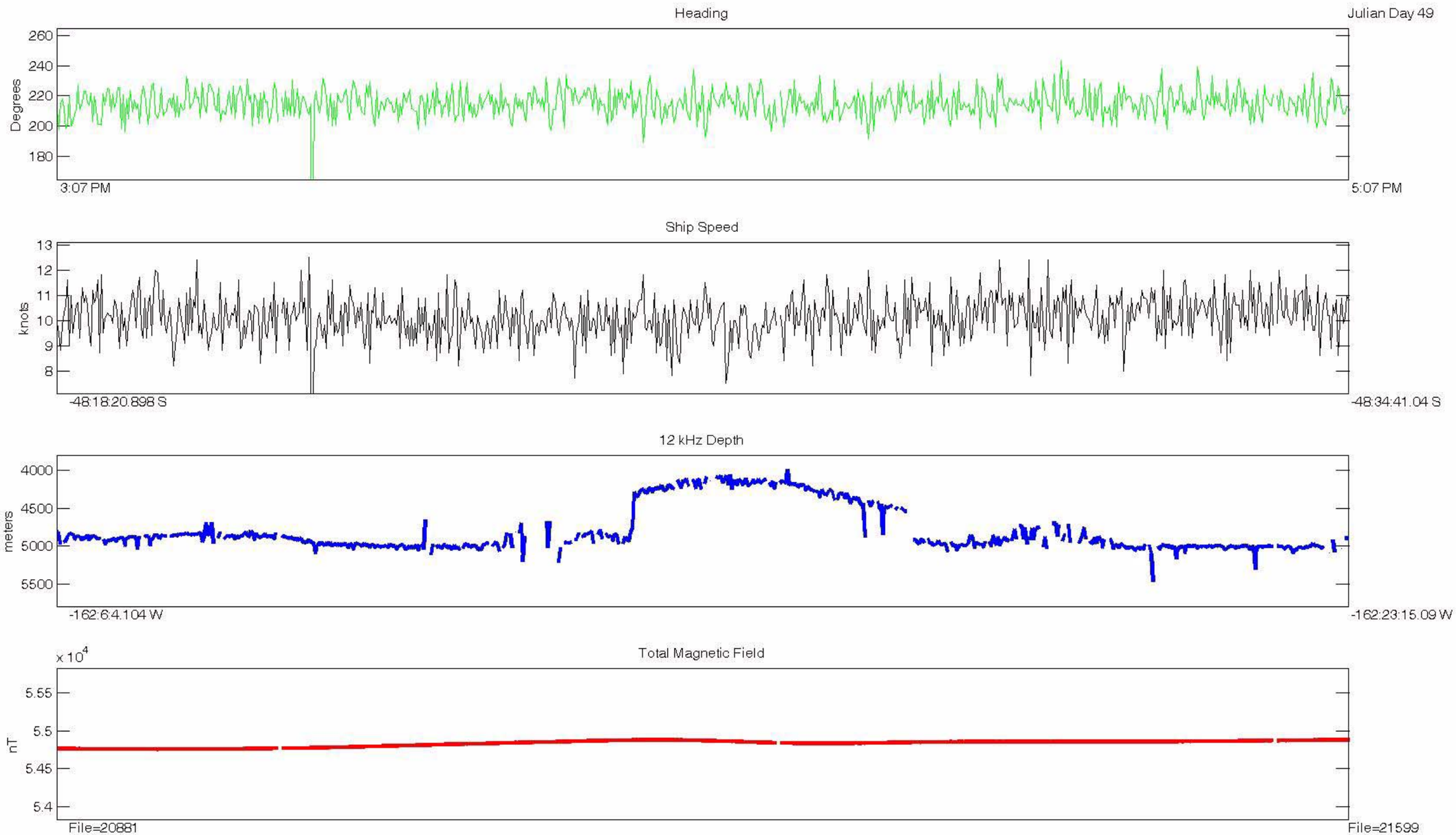

HOUR
12.5
12
11.5
N
S
JD
49
MINUTE
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 49
Time (ms)
6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900
Two way travel time (ms)

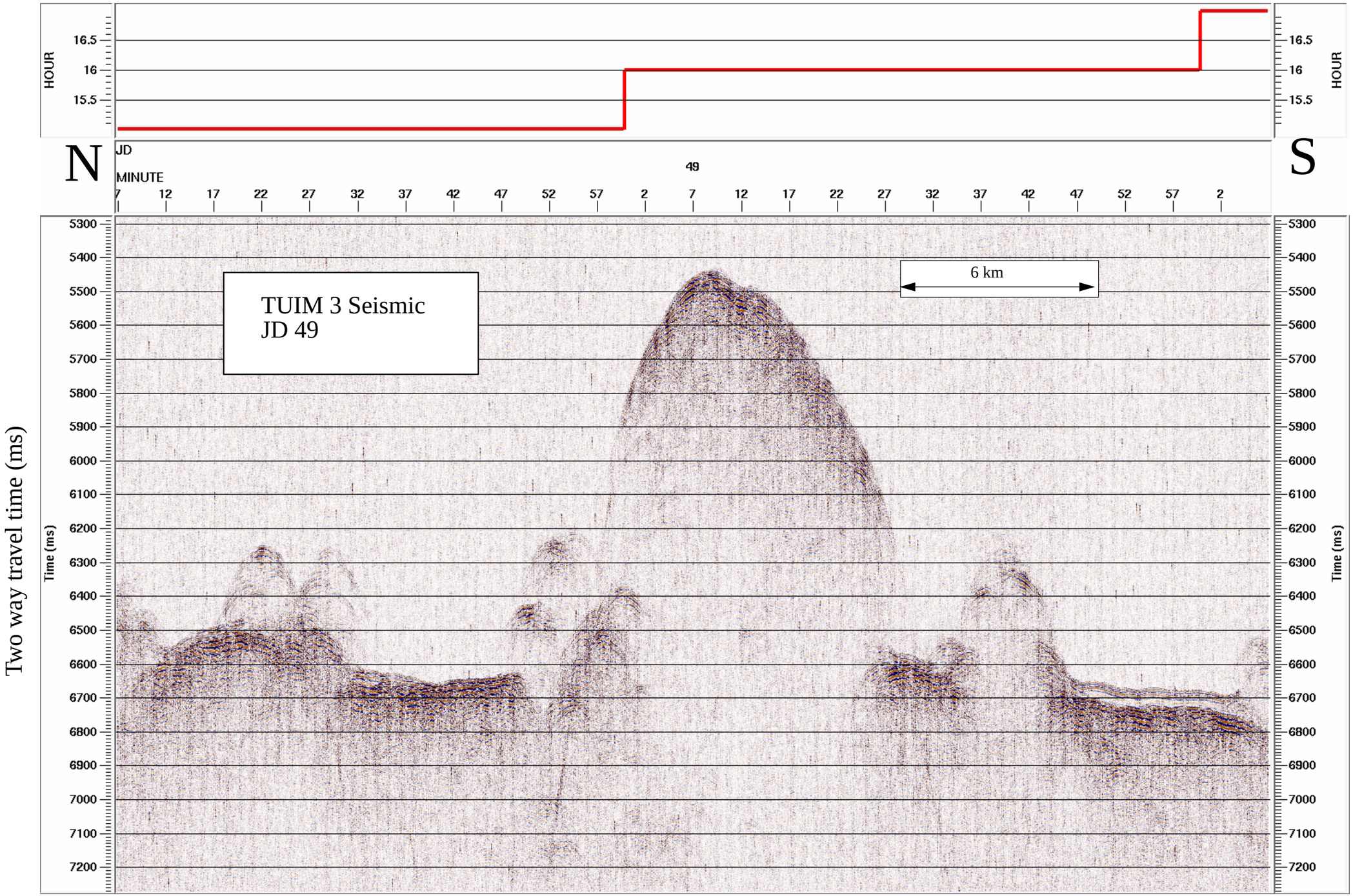
Data File SBfixavg.2005feb18.1200-1800



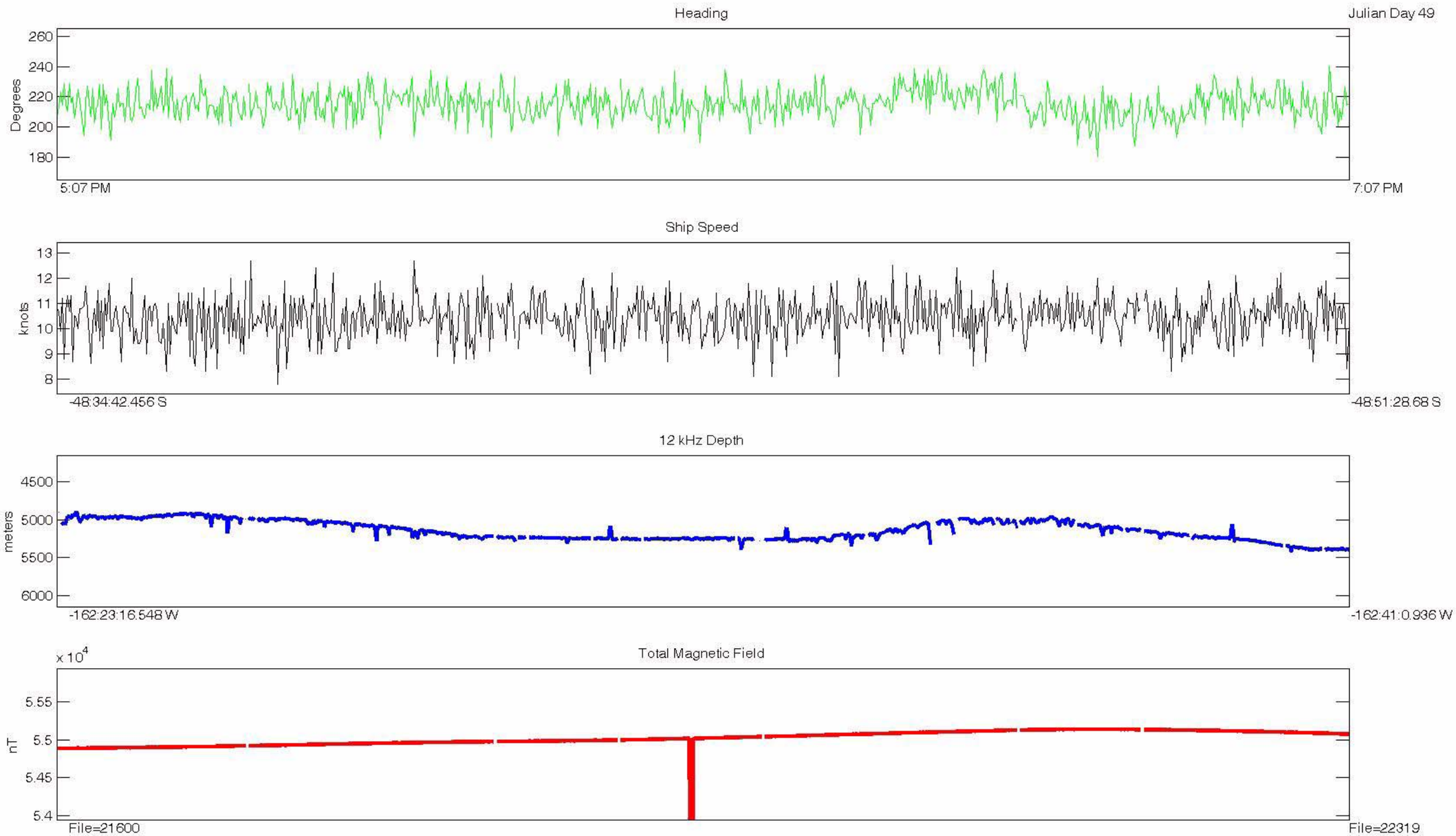

Heading
Julian Day 49
Degrees
260
240
220
200
180
1:07 PM
3:07 PM
Ship Speed
knots
12
11
10
9
8
7
-48:2:30.114 S
-48:18:18.216 S
12 kHz Depth
meters
4000
4500
5000
5500
-161:49:28.626 W
-162:6:1.17 W
x 10^4
Total Magnetic Field
nT
5.55
5.5
5.45
5.4
File=20160
File=20879

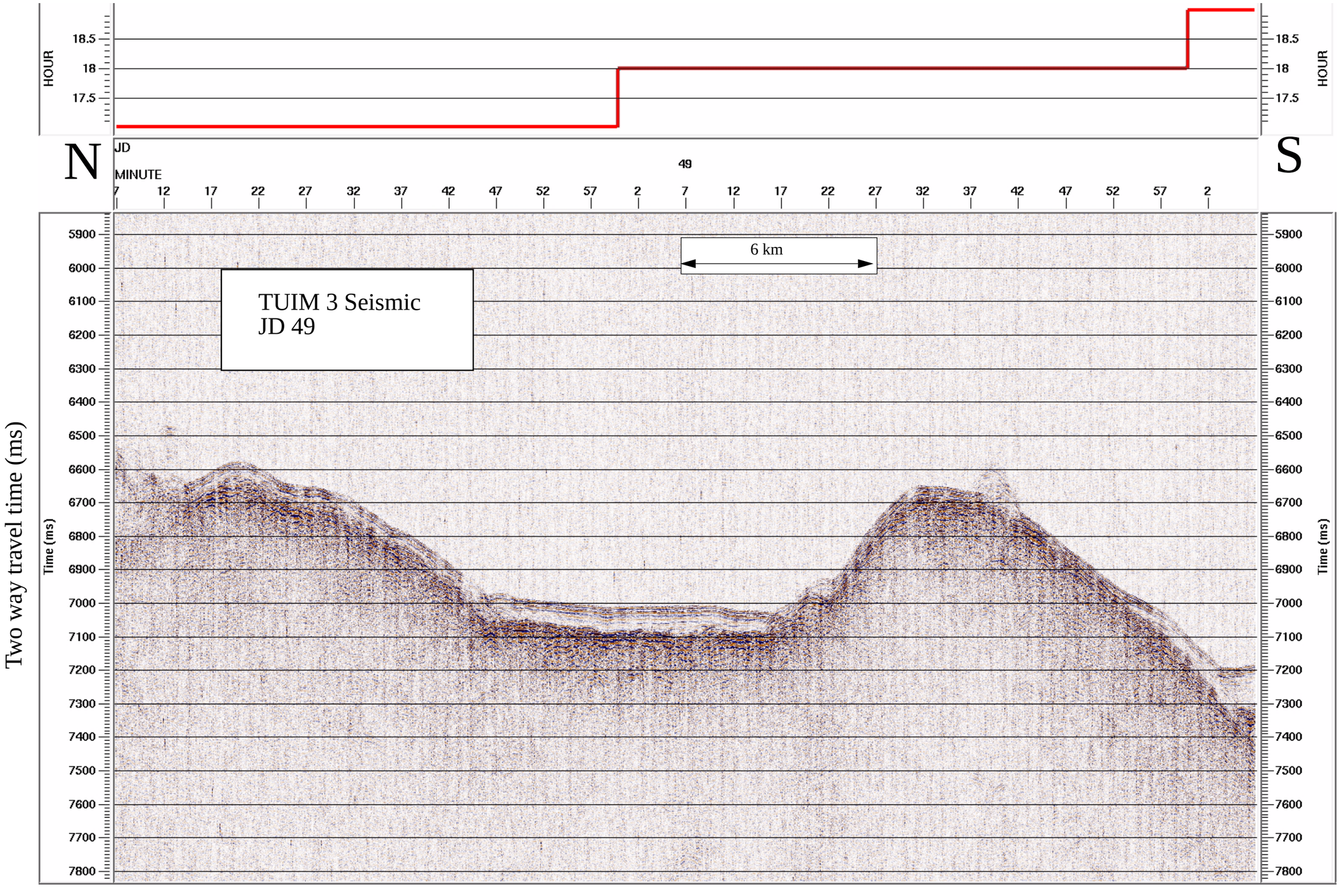

HOUR
14.5
14
13.5
N
S
JD
MINUTE
49
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
TUIM 3 Seismic
JD 49
6 km
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500
Two way travel time (ms)


Heading
Julian Day 49
Degrees
260
240
220
200
180
3:07 PM
5:07 PM
Ship Speed
knots
13
12
11
10
9
8
-48:18:20.898 S
-48:34:41.04 S
12 kHz Depth
meters
4000
4500
5000
5500
-162:6:4.104 W
-162:23:15.09 W
x 10^4
Total Magnetic Field
nT
5.55
5.5
5.45
5.4
File=20881
File=21599

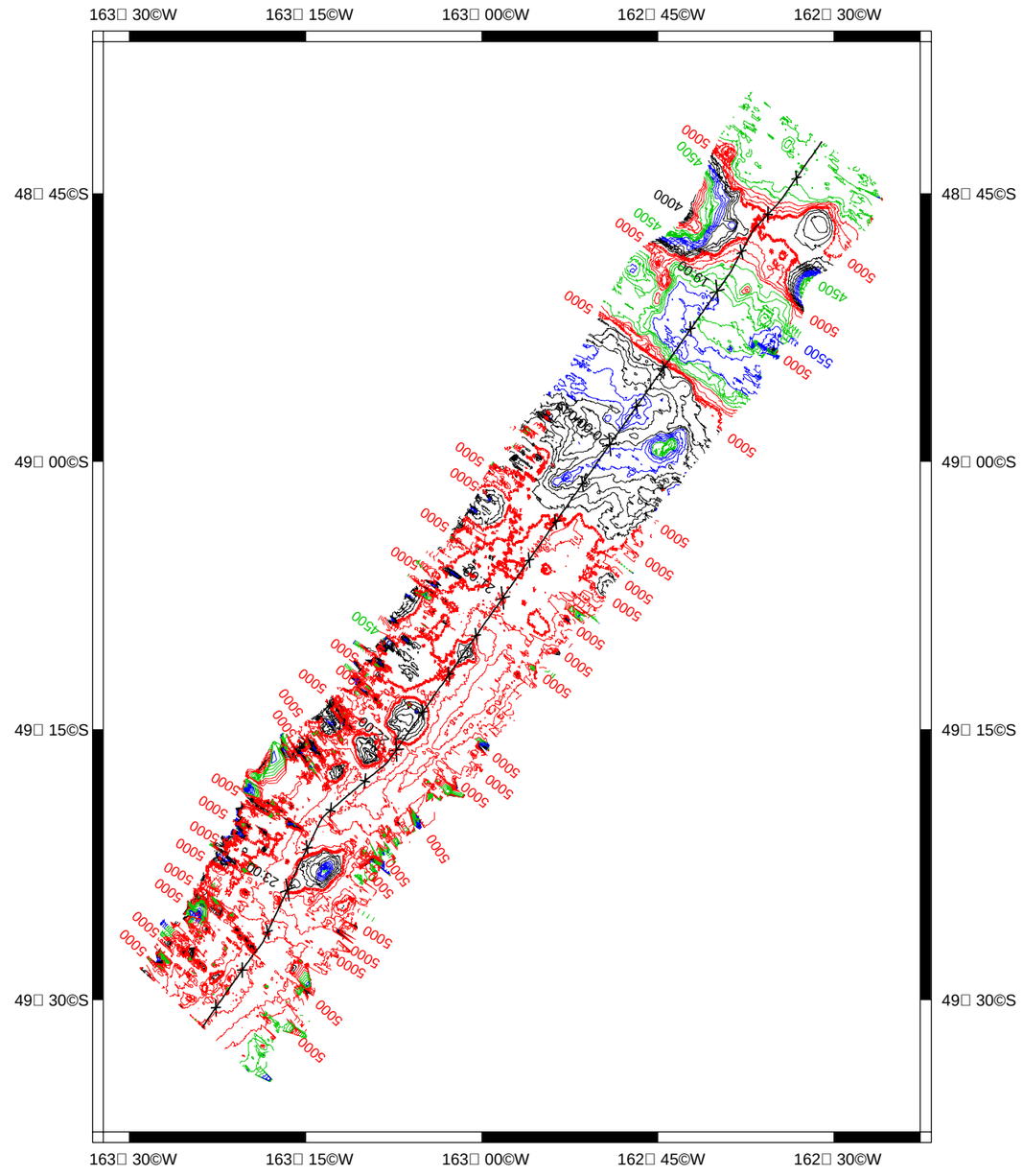


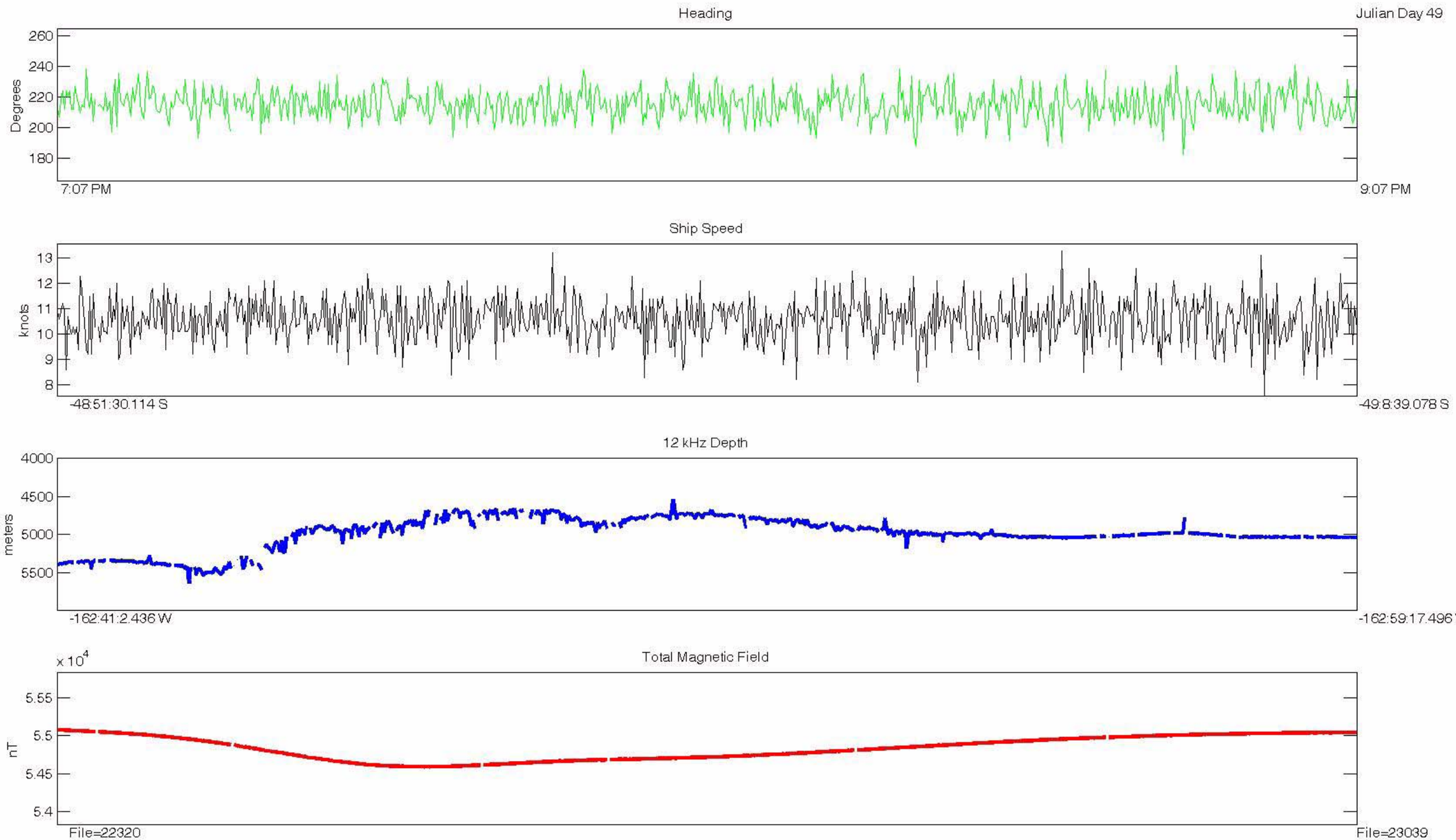
Two way travel time (ms)

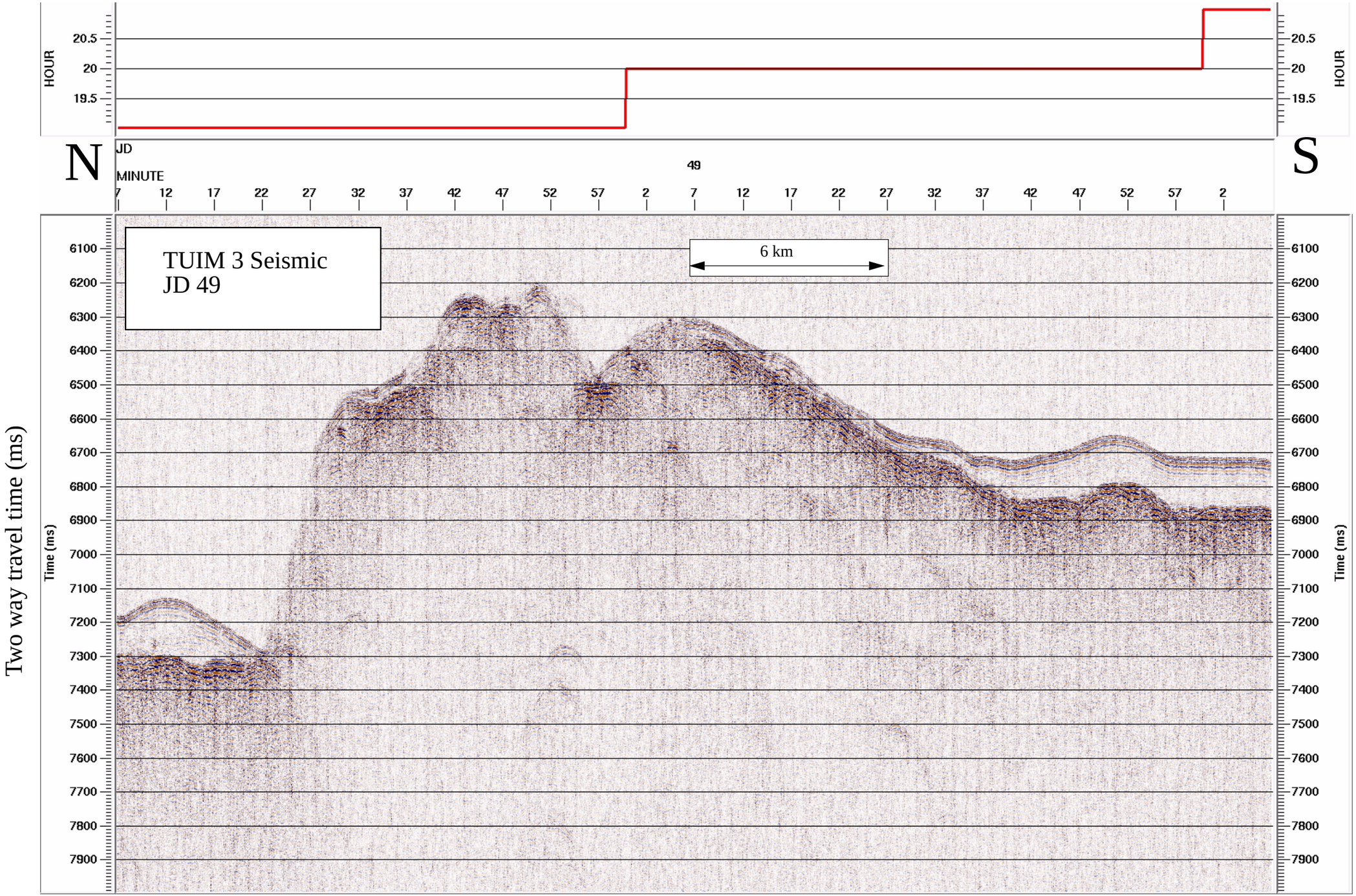

Heading
Julian Day 49
Degrees
260
240
220
200
180
5:07 PM
7:07 PM
Ship Speed
knots
13
12
11
10
9
8
-48:34:42.456 S
-48:51:28.68 S
12 kHz Depth
meters
4500
5000
5500
6000
-162:23:16.548 W
-162:41:0.936 W
Total Magnetic Field
x 10^4
nT
5.55
5.5
5.45
5.4
File=21600
File=22319

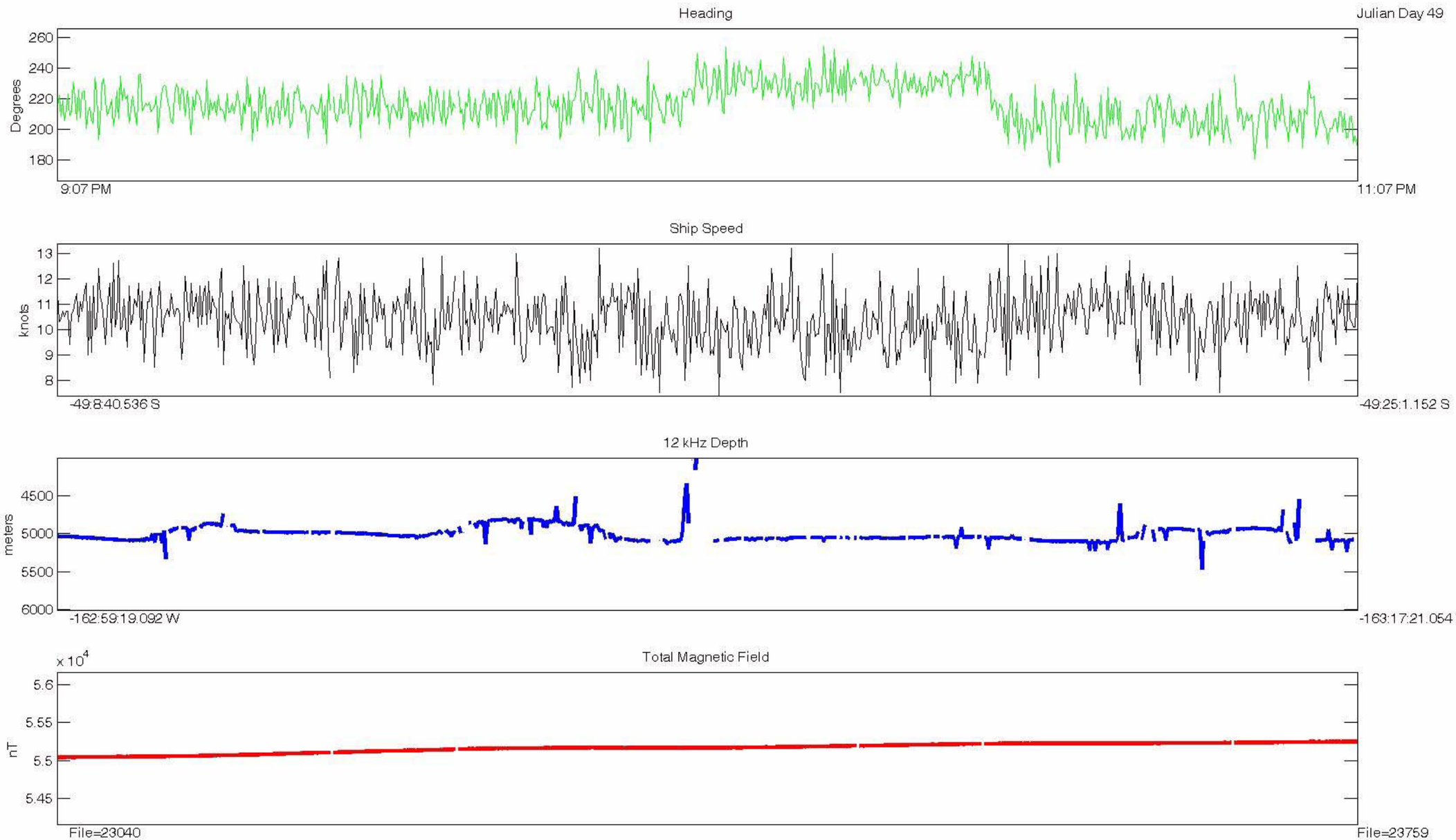

HOUR
18.5
18
17.5
N
S
JD
MINUTE
49
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 49
Time (ms)
5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800
Two way travel time (ms)

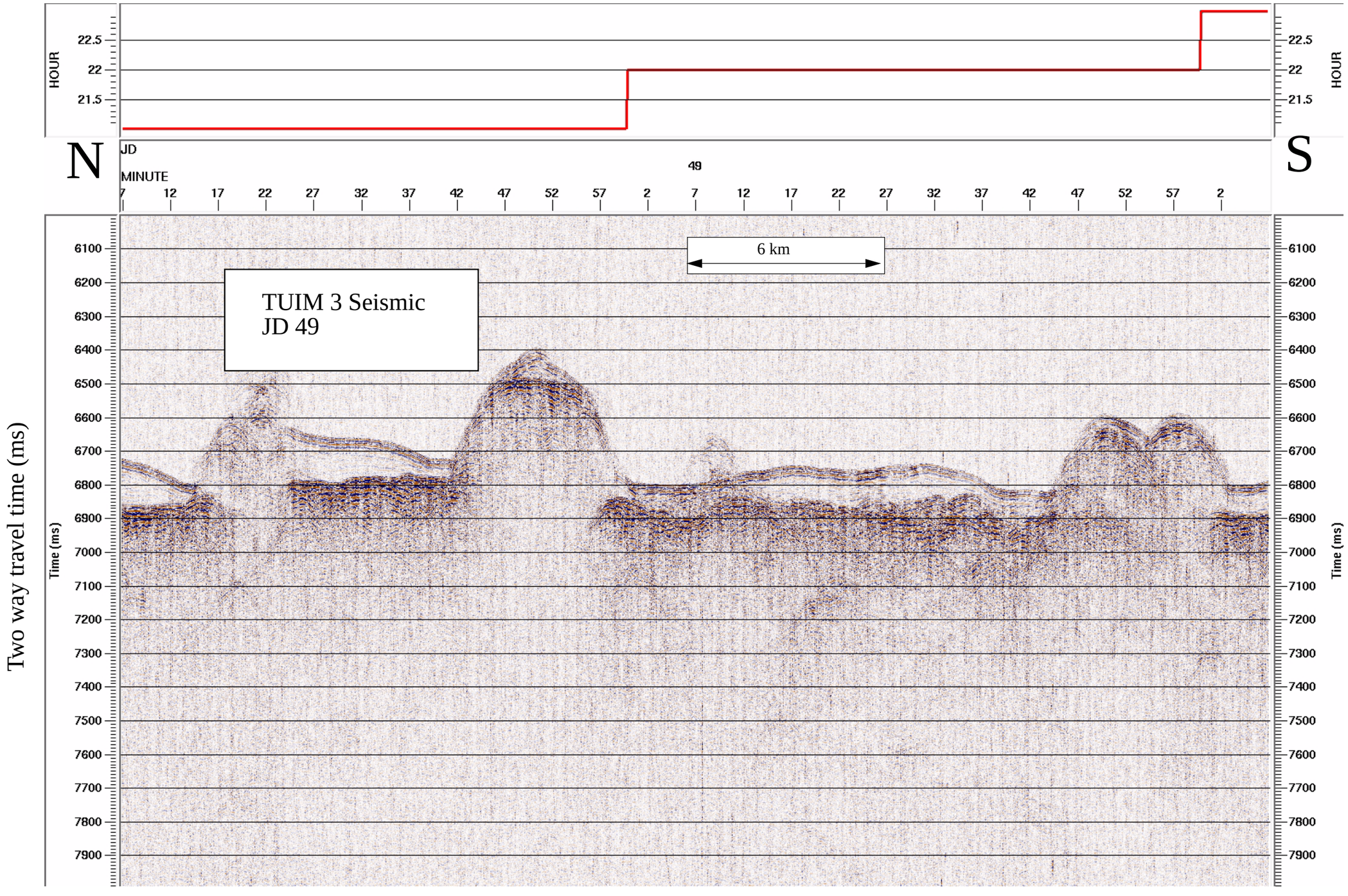
Data File SBfixavg.2005feb18.1800-2400

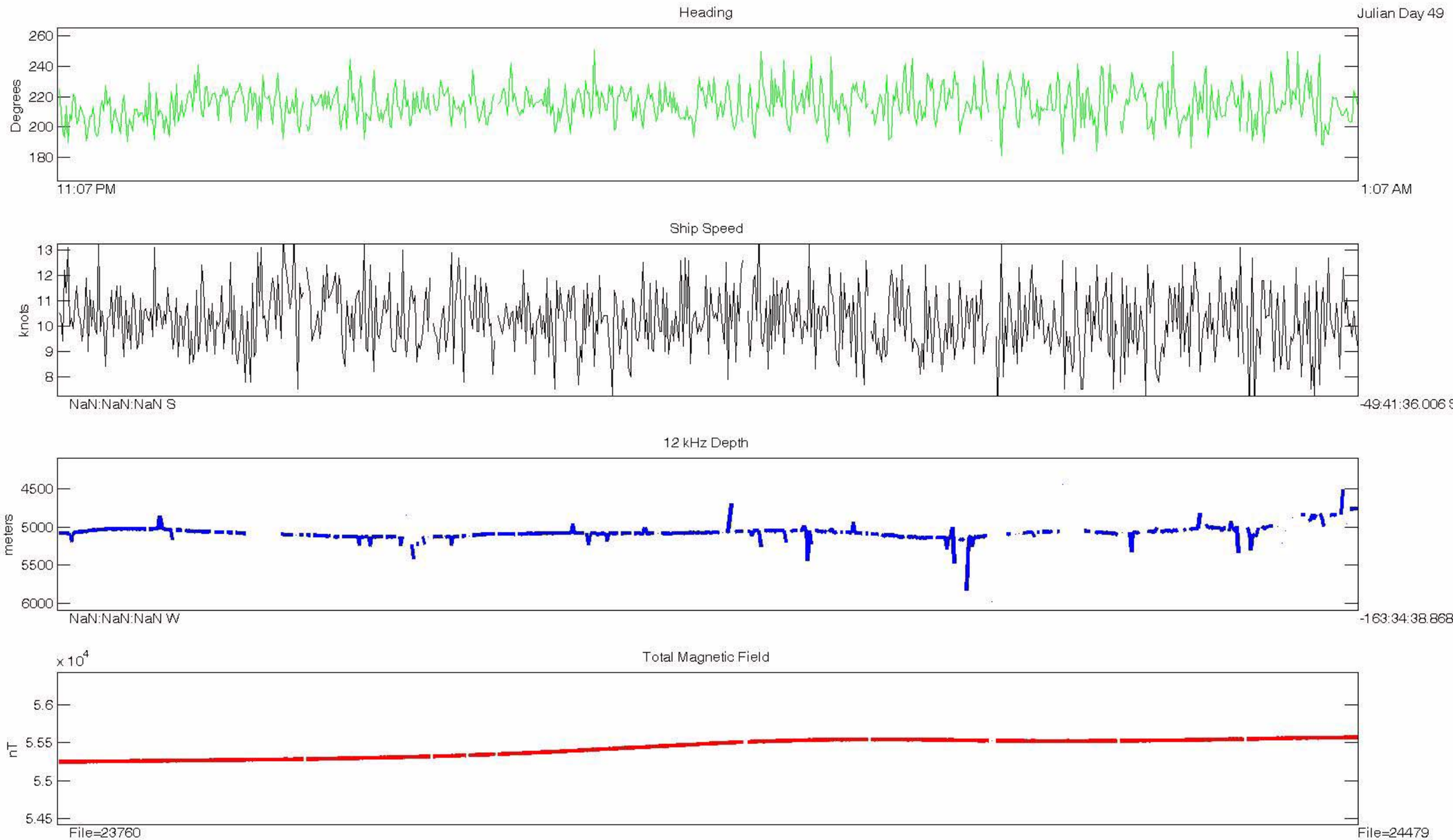


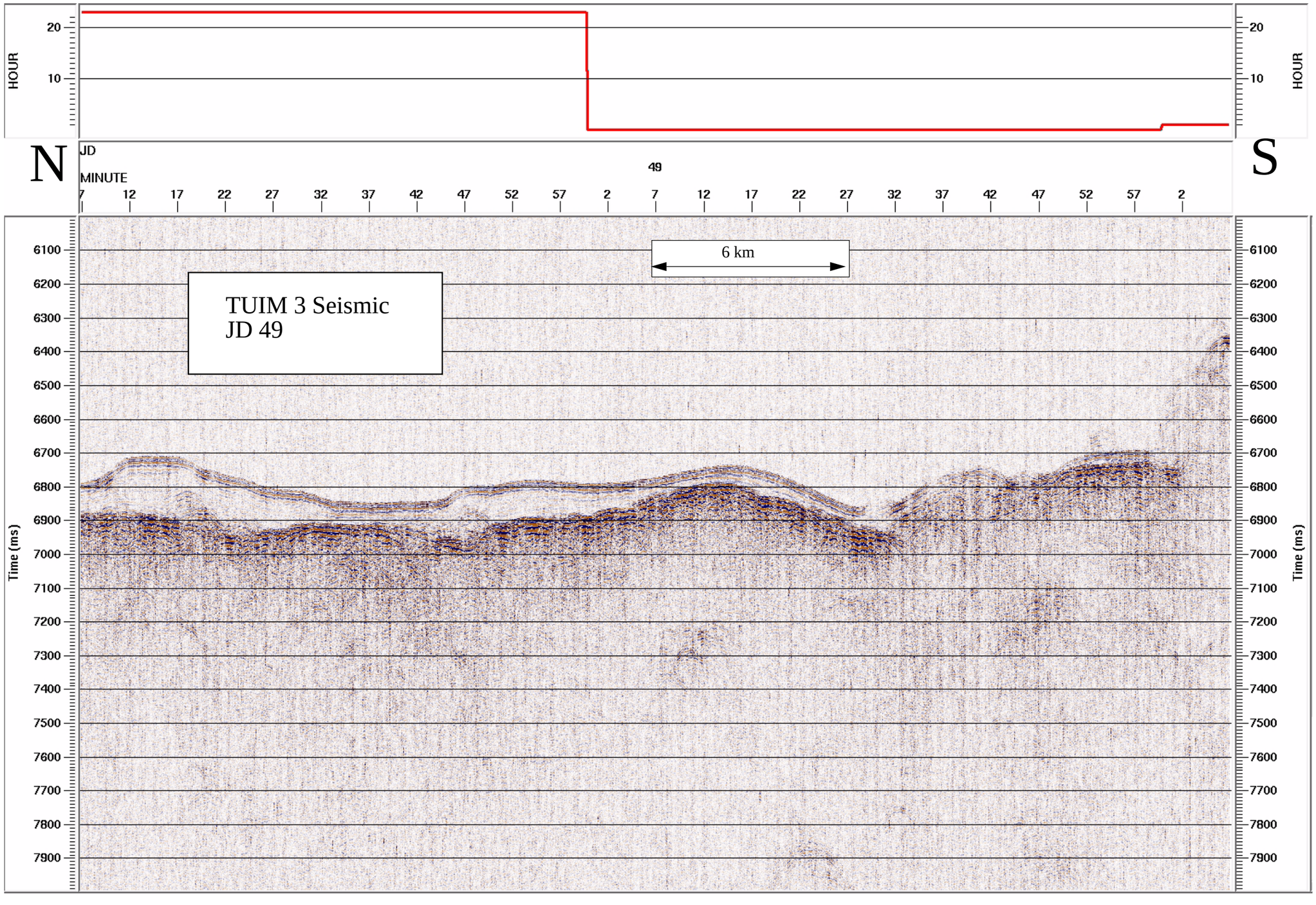

Heading
Julian Day 49
Degrees
260
240
220
200
180
7:07 PM
9:07 PM
Ship Speed
knots
13
12
11
10
9
8
-48:51:30.114 S
-49:8:39.078 S
12 kHz Depth
meters
4000
4500
5000
5500
-162:41:2.436 W
-162:59:17.496 W
Total Magnetic Field
x 10^4
nT
5.55
5.5
5.45
5.4
File=22320
File=23039


HOUR
20.5
20
19.5
N
S
JD
49
MINUTE
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
TUIM 3 Seismic
JD 49
6 km
Time (ms)
6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900
Two way travel time (ms)


Heading
Julian Day 49
Degrees
260
240
220
200
180
9:07 PM
11:07 PM
Ship Speed
knots
13
12
11
10
9
8
-49:8:40.536 S
-49:25:1.152 S
12 kHz Depth
meters
4500
5000
5500
6000
-162:59:19.092 W
-163:17:21.054 W
x 10^4
Total Magnetic Field
nT
5.6
5.55
5.5
5.45
File=23040
File=23759


HOUR
22.5
22
21.5
N
S
JD
MINUTE
49
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 49
Time (ms)
6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900
Two way travel time (ms)

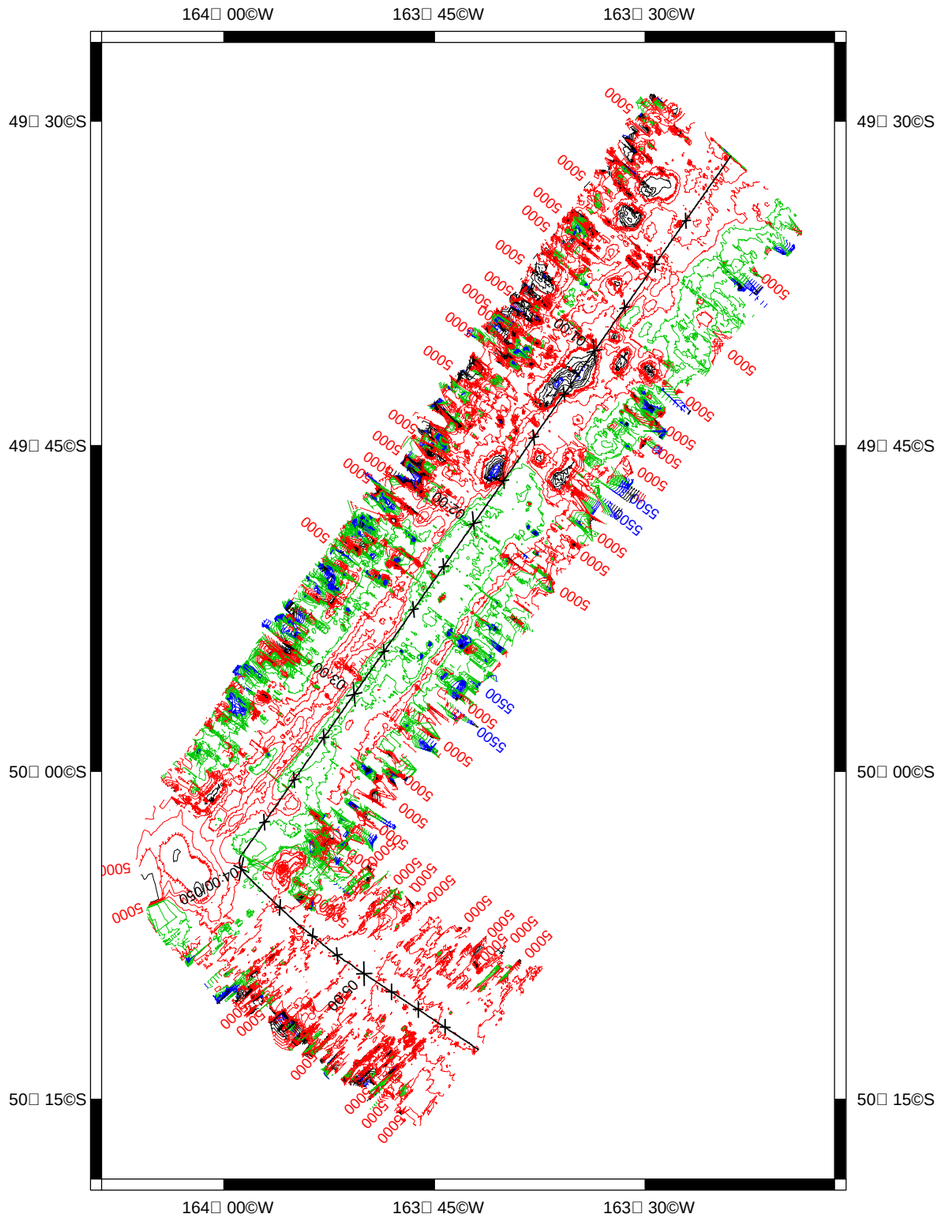

Heading
Julian Day 49
Degrees
260
240
220
200
180
11:07 PM
1:07 AM
Ship Speed
knots
13
12
11
10
9
8
NaN:NaN:NaN S
-49:41:36.006 S
12 kHz Depth
meters
4500
5000
5500
6000
NaN:NaN:NaN W
-163:34:38.868 W
x 10^4
Total Magnetic Field
nT
5.6
5.55
5.5
5.45
File=23760
File=24479

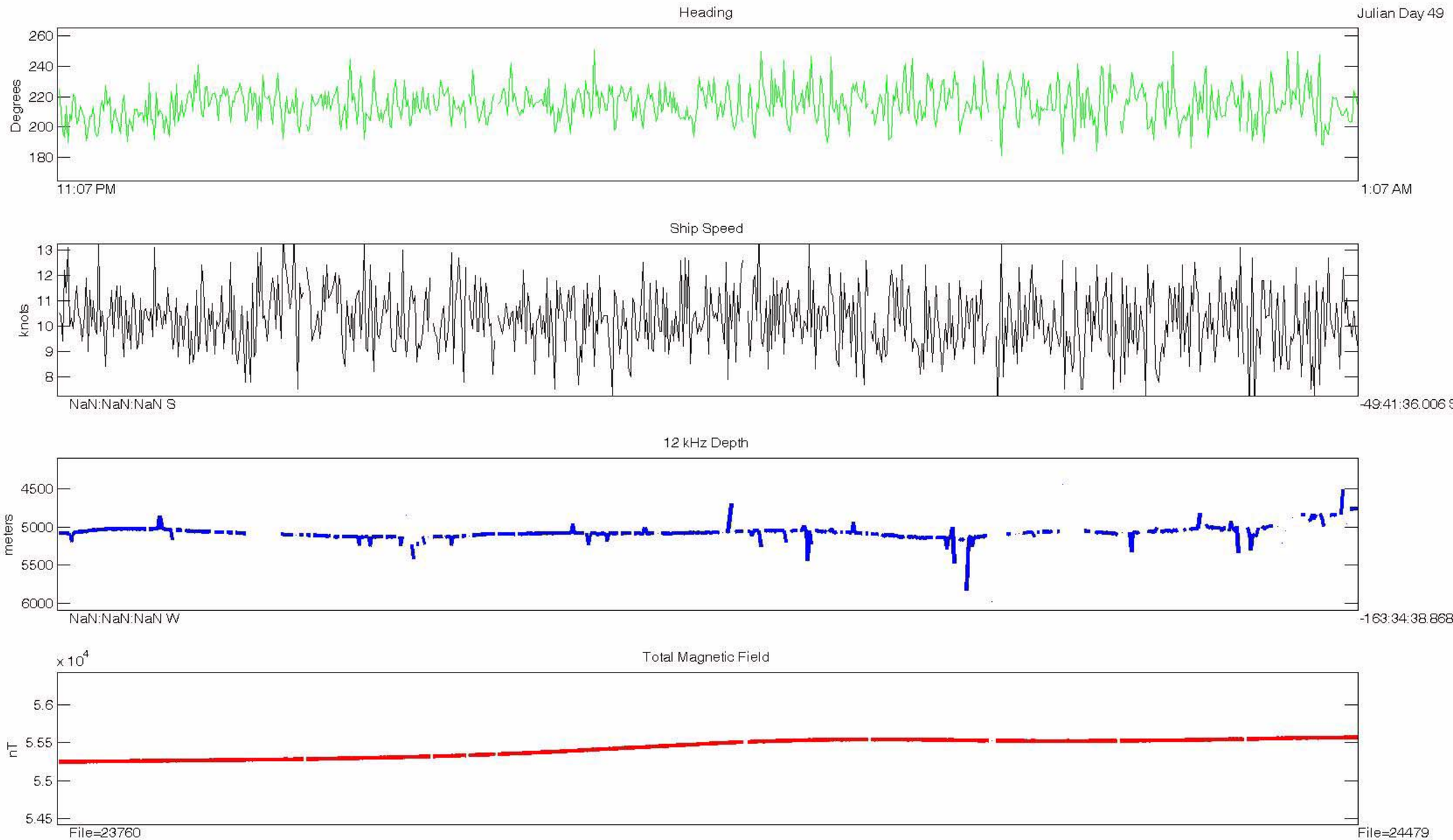


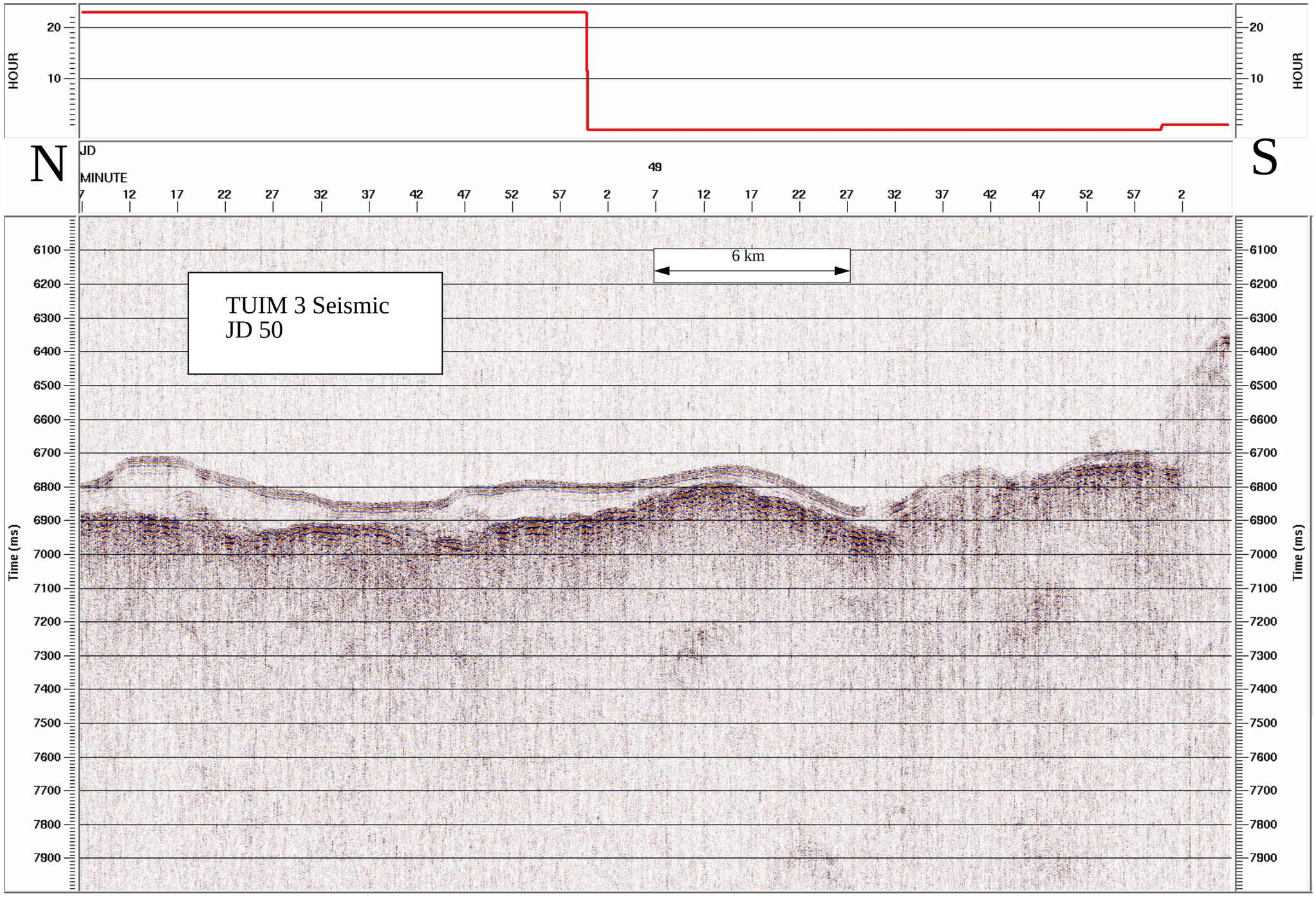
Two way travel time (ms)

Julian Day 50
19 February 2005
150 c.i GI gun Source,
4-channel SIO streamer

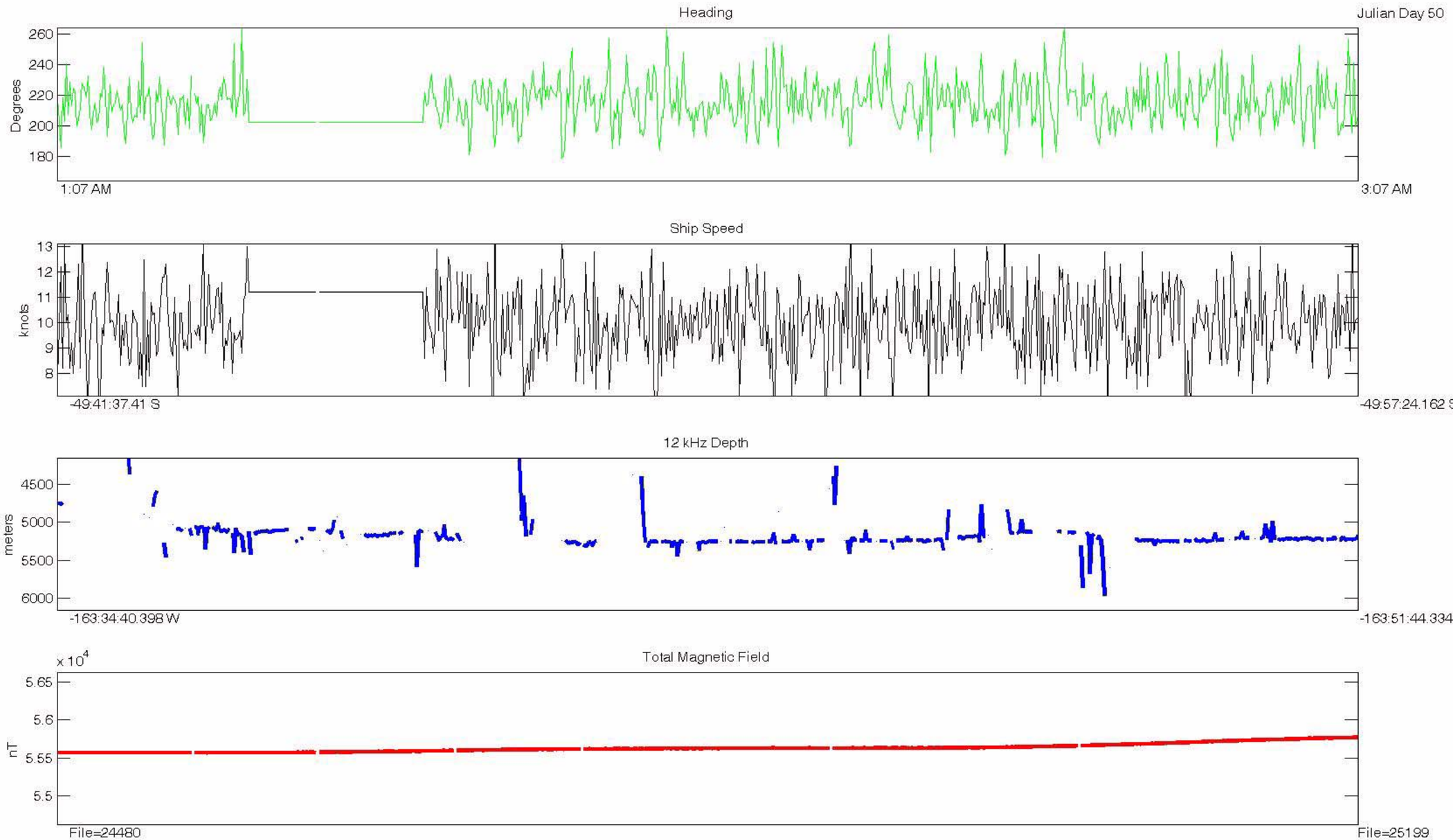
Data File SBfixavg.2005feb19.0000-0600

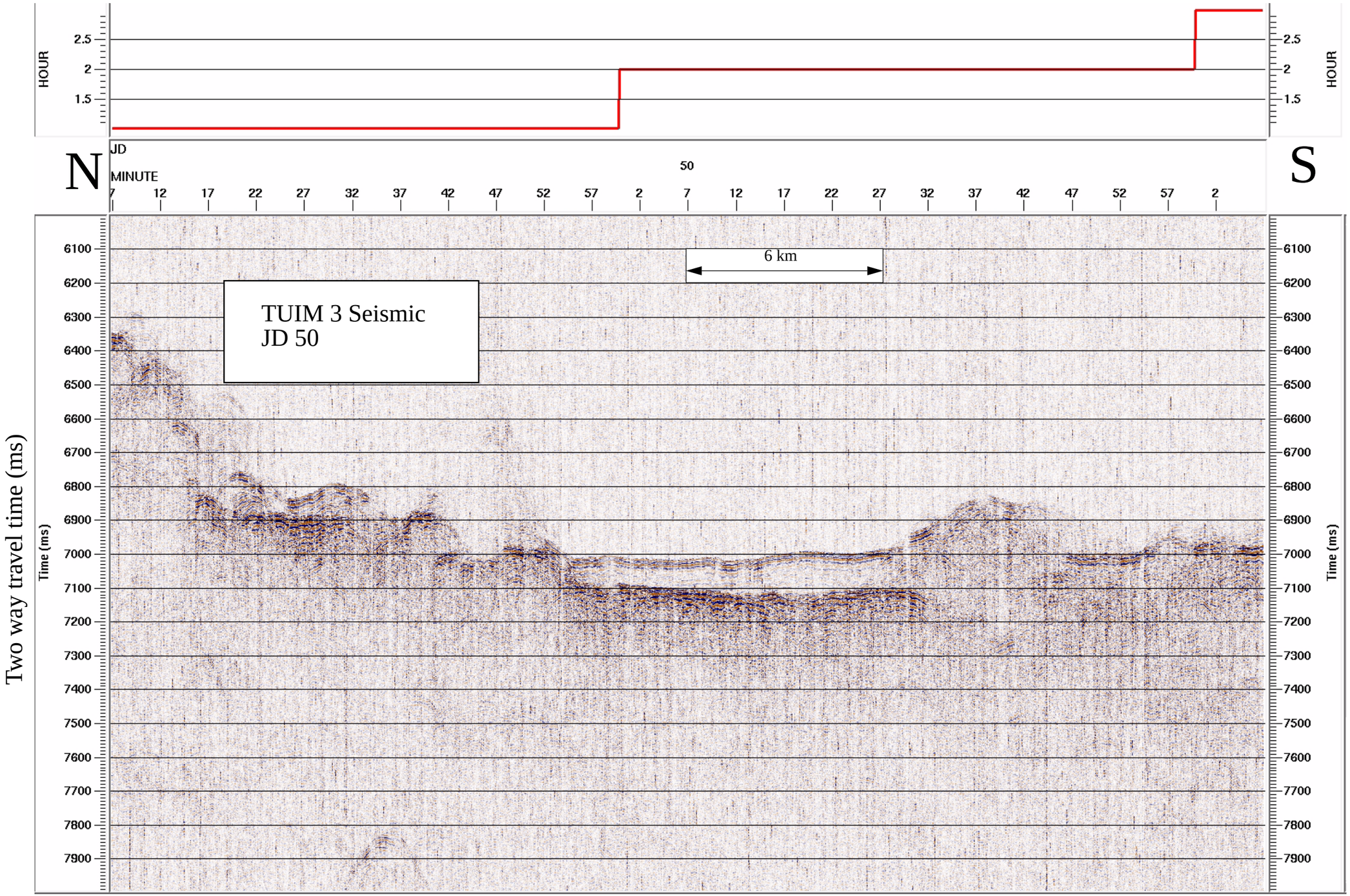


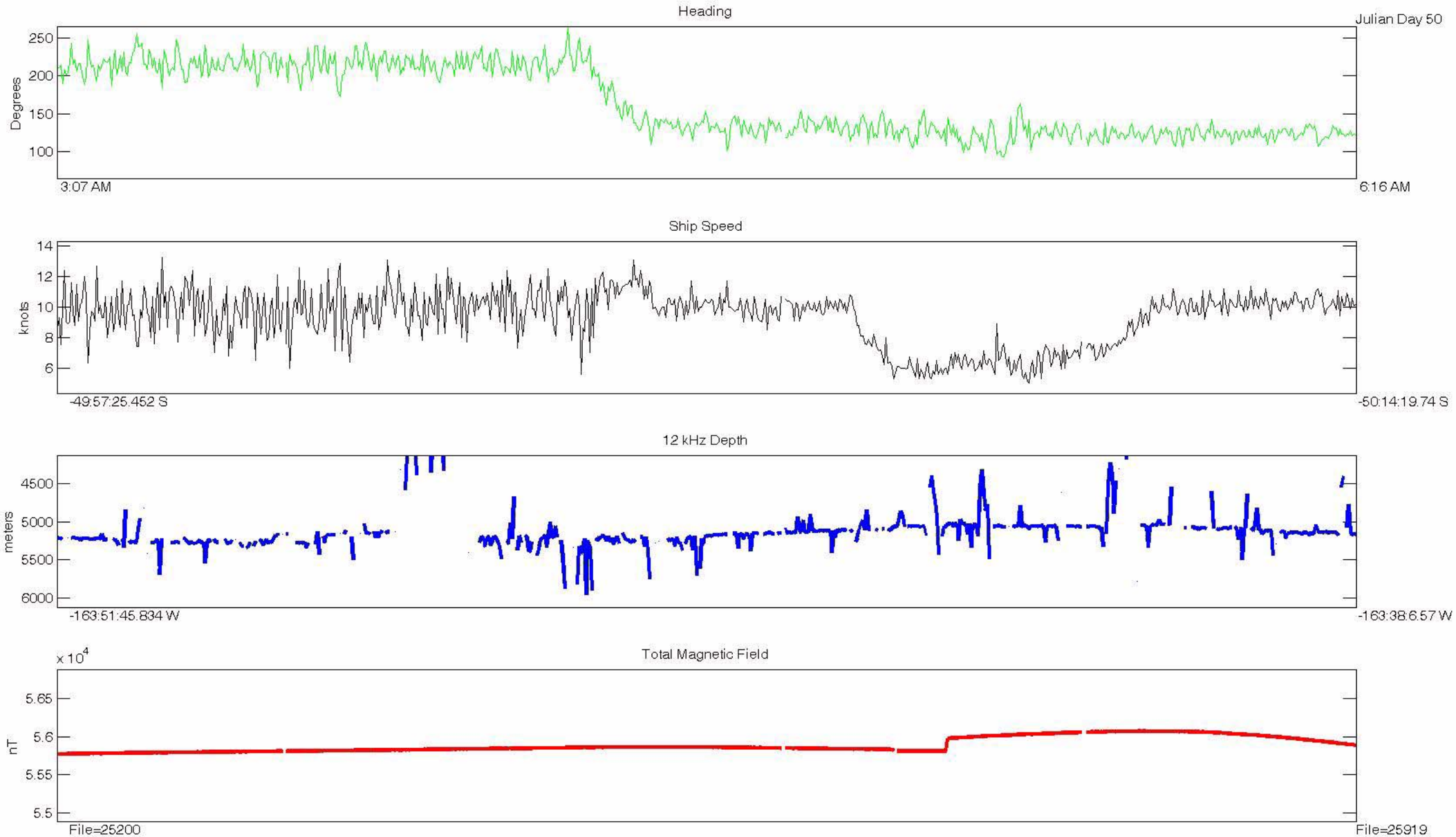

Heading
Julian Day 49
Degrees
260
240
220
200
180
11:07 PM
1:07 AM
Ship Speed
knots
13
12
11
10
9
8
NaN:NaN:NaN S
-49:41:36.006 S
12 kHz Depth
meters
4500
5000
5500
6000
NaN:NaN:NaN W
-163:34:38.868 W
x 10^4
Total Magnetic Field
nT
5.6
5.55
5.5
5.45
File=23760
File=24479

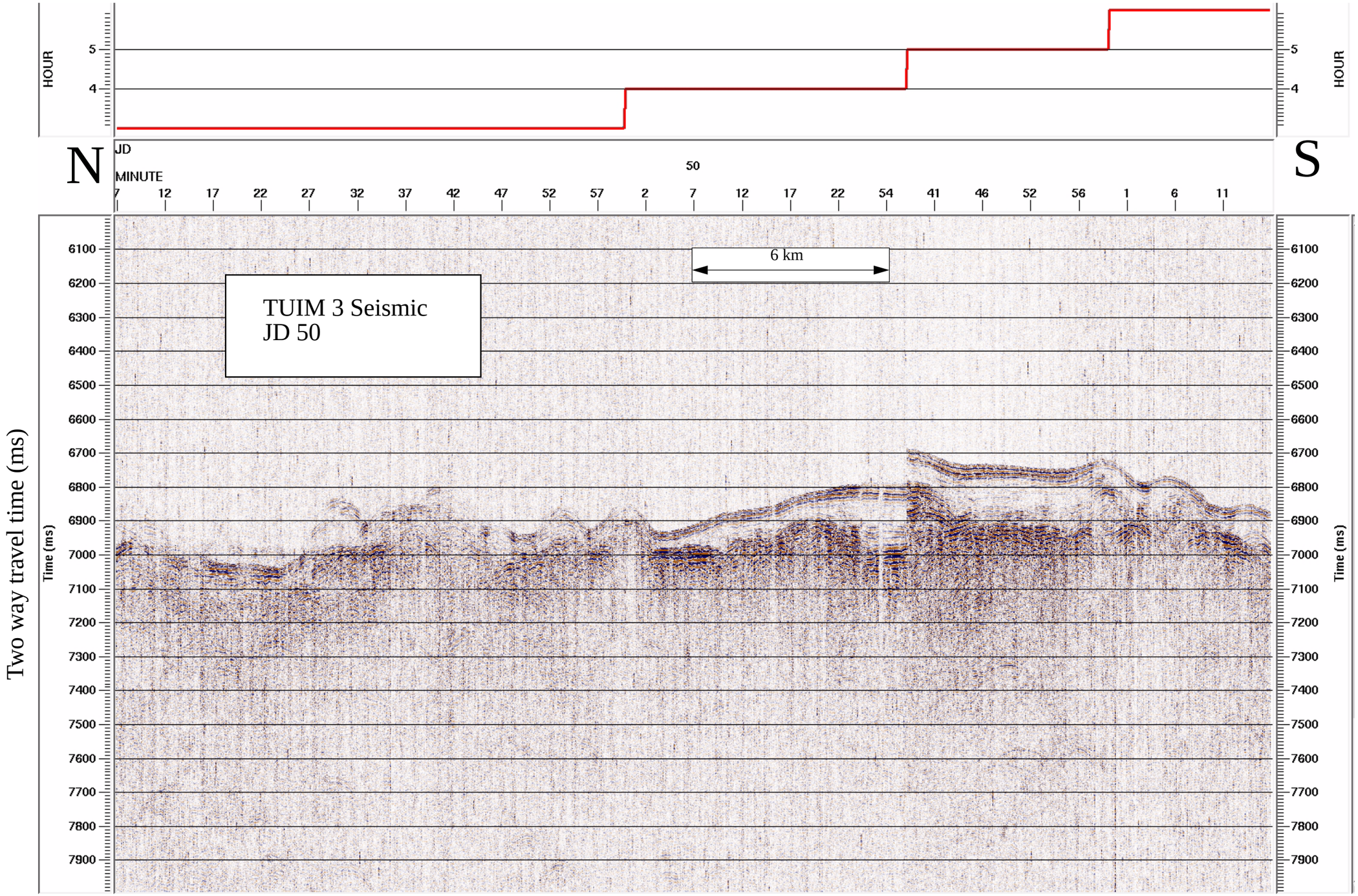


Two way travel time (ms)

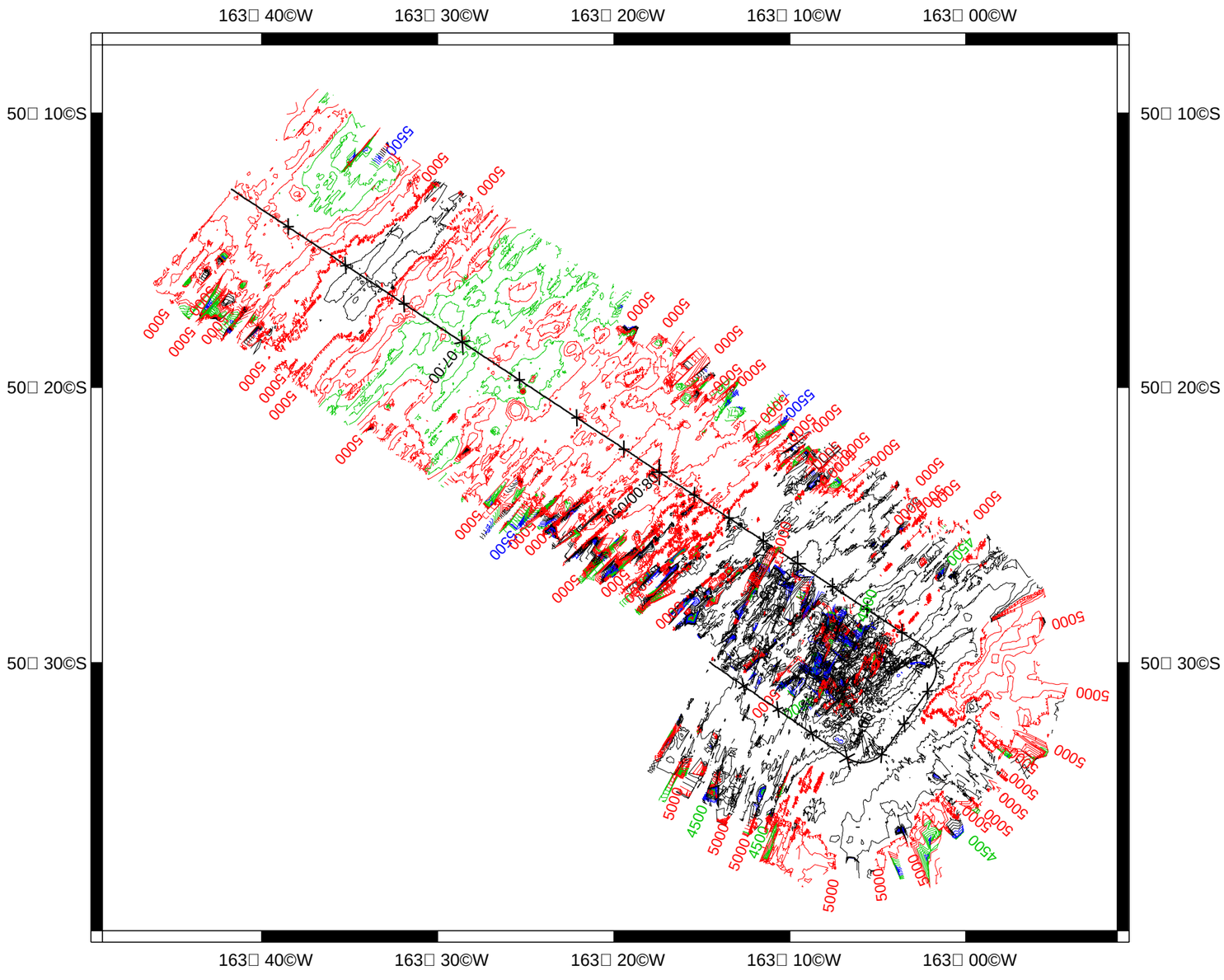

Heading
Julian Day 50
Degrees
260
240
220
200
180
1:07 AM
3:07 AM
Ship Speed
knots
13
12
11
10
9
8
-49:41:37.41 S
-49:57:24.162 S
12 kHz Depth
meters
4500
5000
5500
6000
-163:34:40.398 W
-163:51:44.334 W
Total Magnetic Field
x 10^4
nT
5.65
5.6
5.55
5.5
File=24480
File=25199

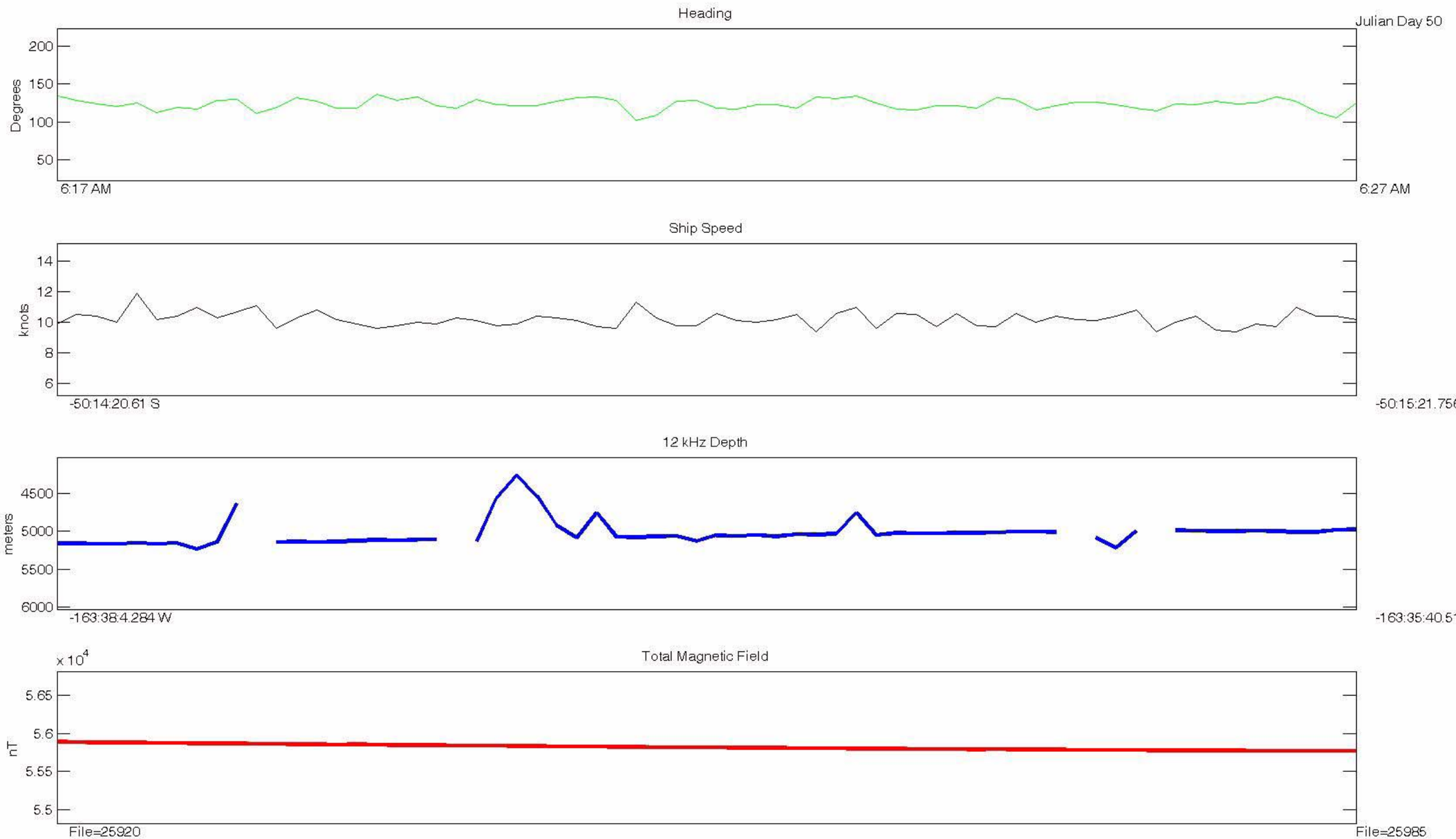

HOUR
2.5
2
1.5
N
S
JD
MINUTE
50
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2
6 km
TUIM 3 Seismic
JD 50
Two way travel time (ms)
Time (ms)
6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900

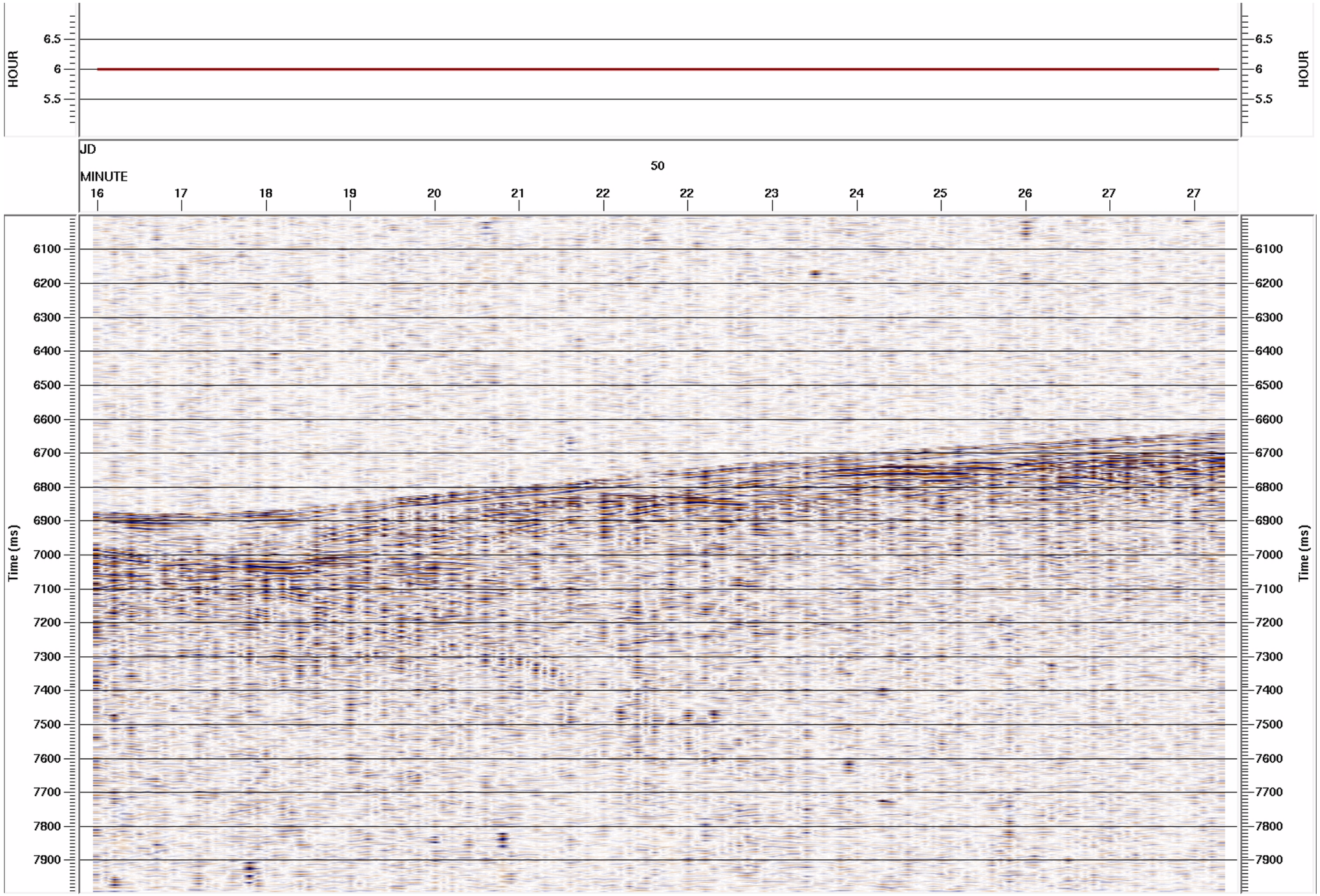

Heading
Julian Day 50
Degrees
250
200
150
100
3:07 AM
6:16 AM
Ship Speed
knots
14
12
10
8
6
-49:57:25.452 S
-50:14:19.74 S
12 kHz Depth
meters
4500
5000
5500
6000
-163:51:45.834 W
-163:38:6.57 W
x 10^4
Total Magnetic Field
nT
5.65
5.6
5.55
5.5
File=25200
File=25919


HOUR
5
4
N
S
JD
MINUTE
50
7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 54 41 46 52 56 1 6 11
6 km
TUIM 3 Seismic
JD 50
Two way travel time (ms)
Time (ms)
6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900

Data File SBfixavg.2005feb19.0600-1200

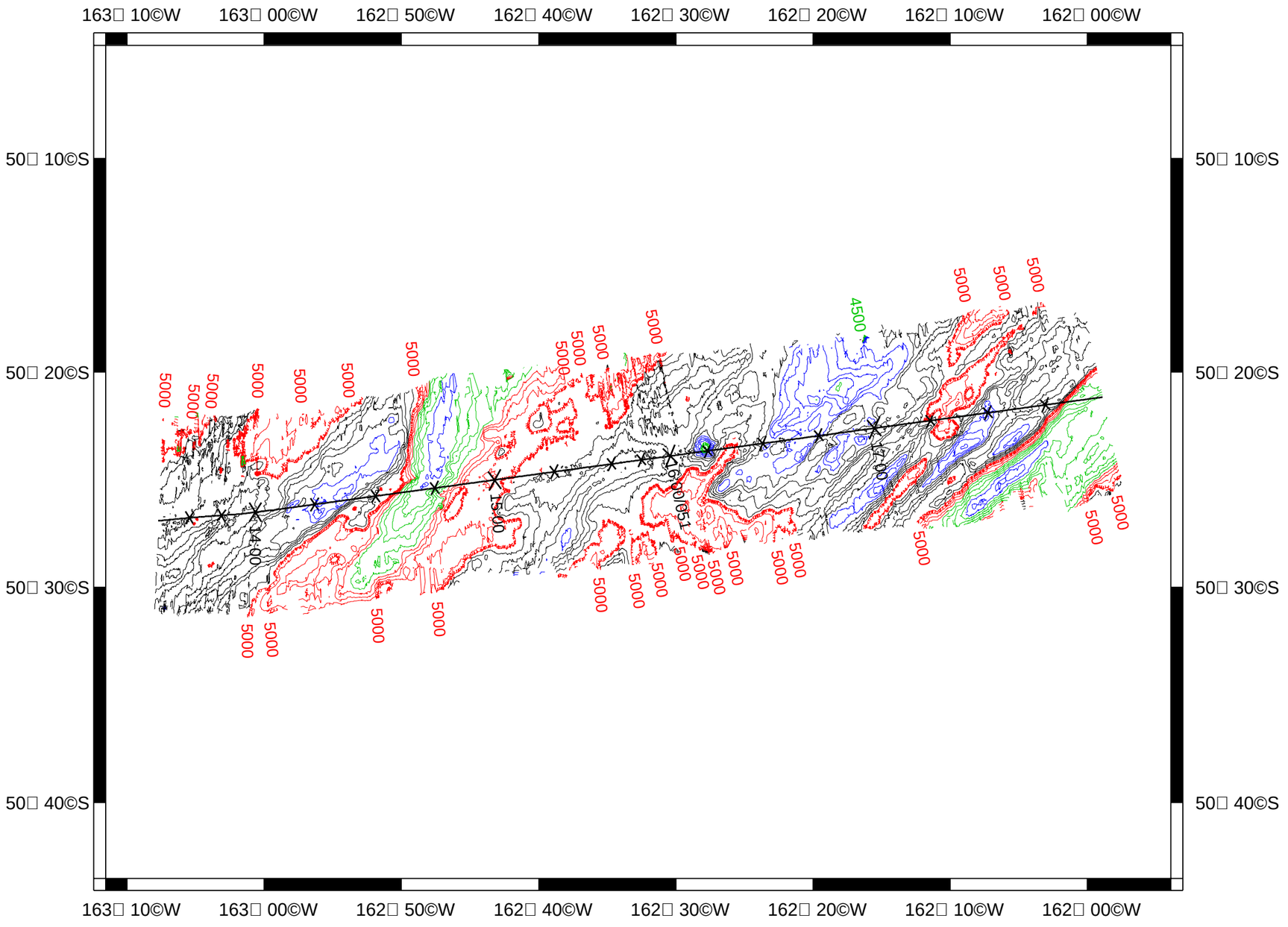


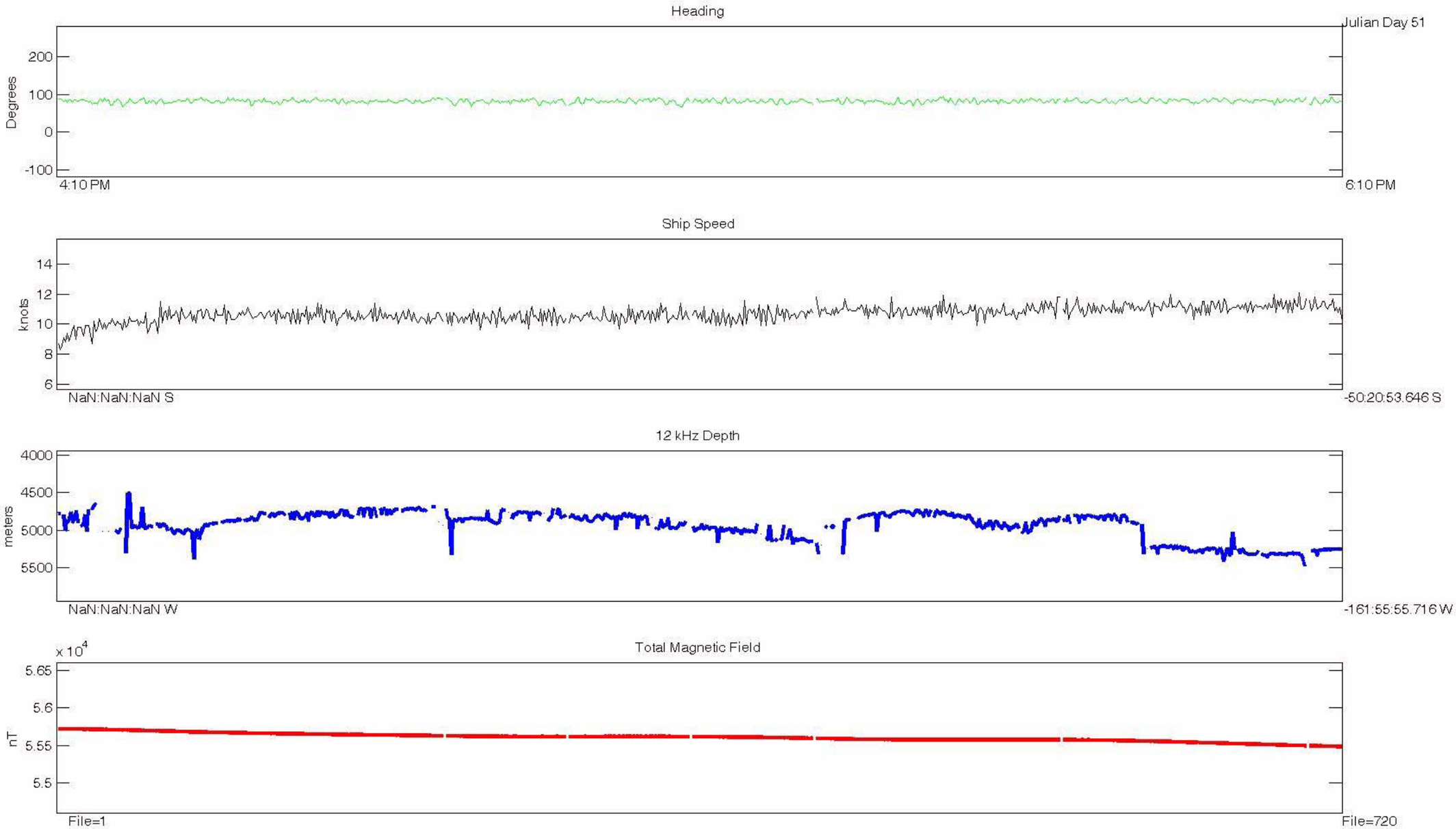

Heading
Julian Day 50
Degrees
200
150
100
50
6:17 AM
6:27 AM
Ship Speed
knots
14
12
10
8
6
-50:14:20.61 S
-50:15:21.756 S
12 kHz Depth
meters
4500
5000
5500
6000
-163:38:4.284 W
-163:35:40.512 W
x 10^4
Total Magnetic Field
nT
5.65
5.6
5.55
5.5
File=25920
File=25985

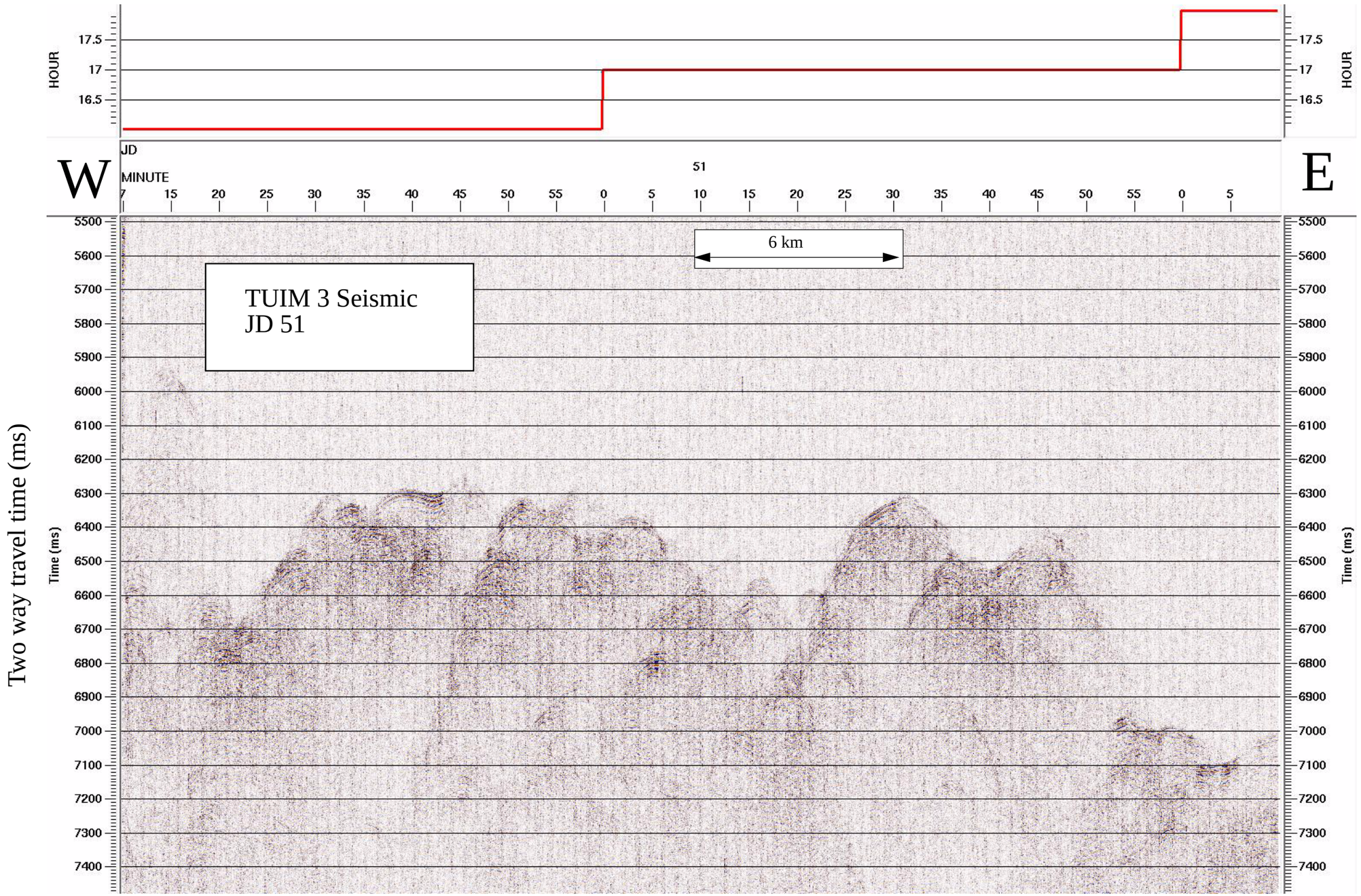

HOUR
6.5
6
5.5
JD
50
MINUTE
16
17
18
19
20
21
22
22
23
24
25
26
27
27
Time (ms)
6100
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
7800
7900

Julian Day 51
20 February 2005
150 c.i GI gun Source,
4-channel SIO streamer

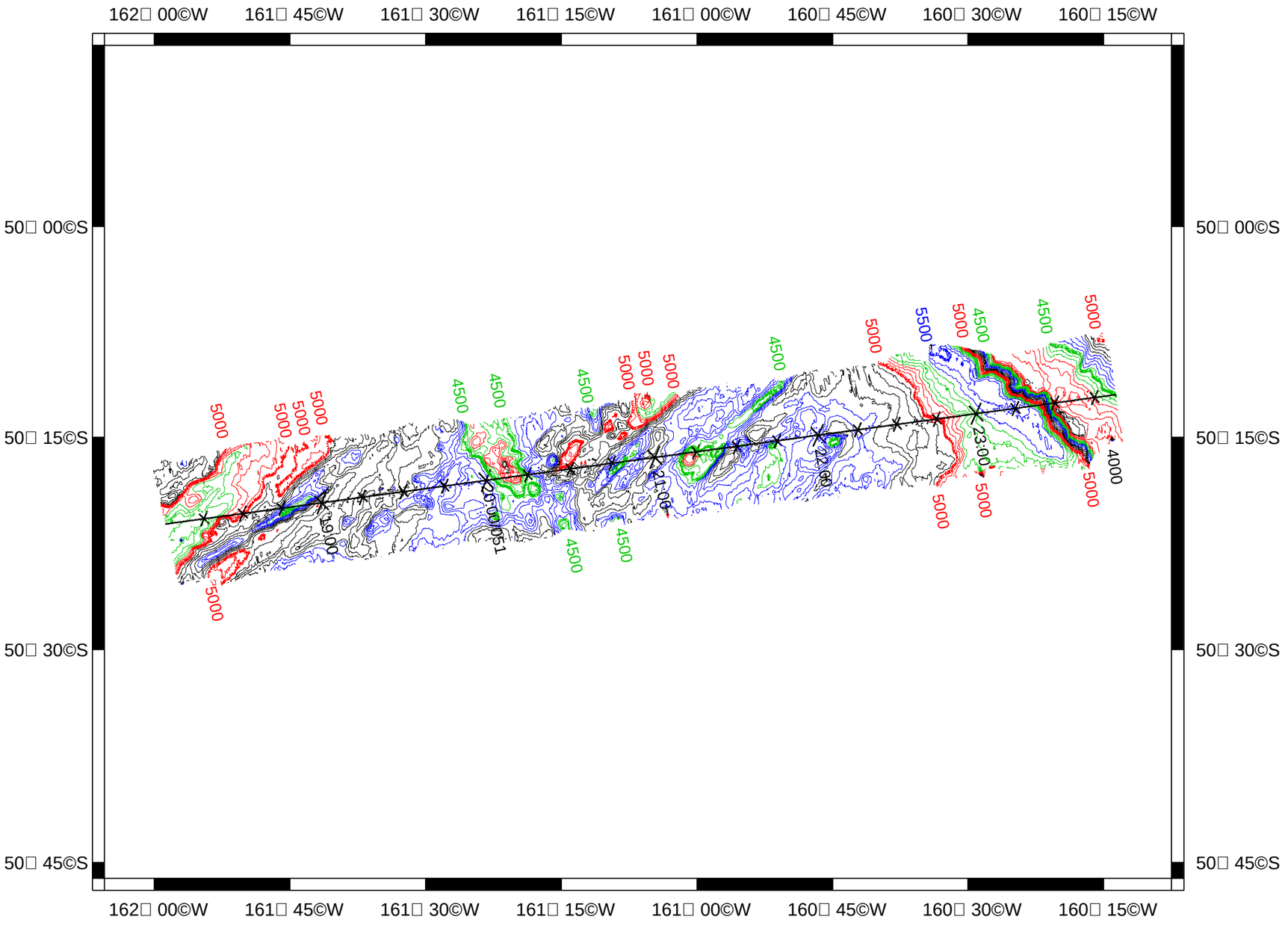
Data File SBfixavg.2005feb20.1200-1800

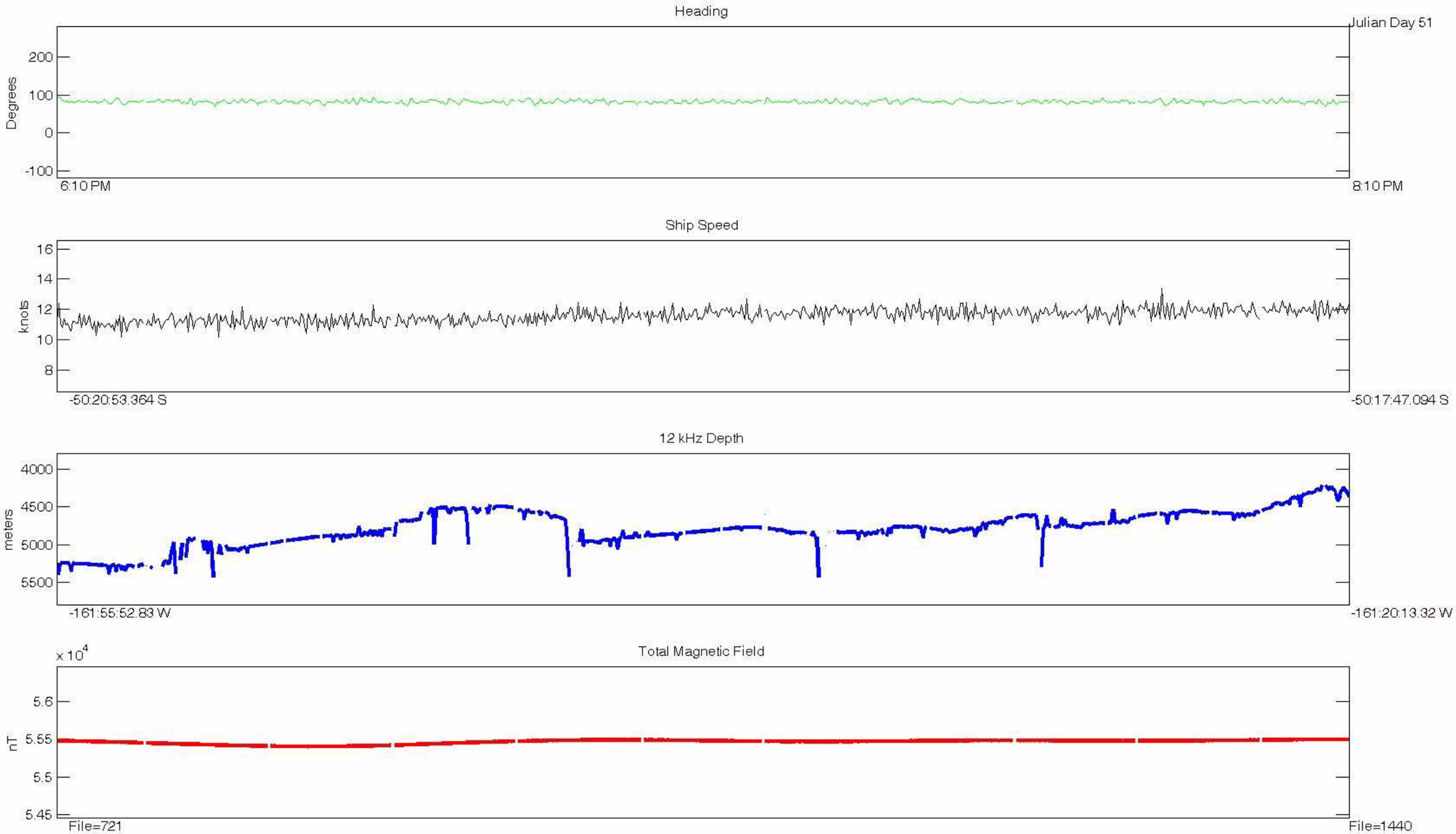


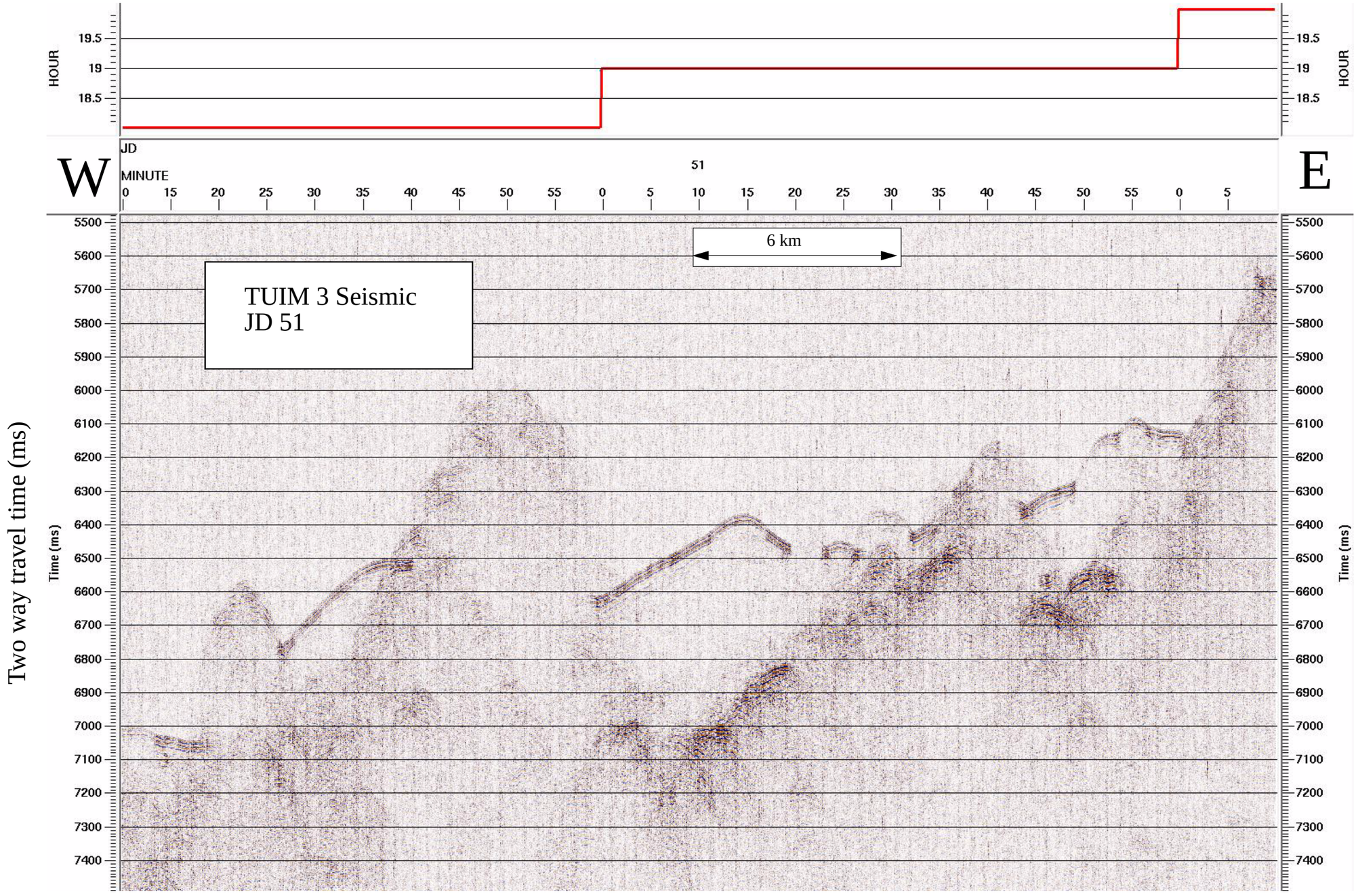

Heading
Julian Day 51
Degrees
200
100
0
-100
4:10 PM
6:10 PM
Ship Speed
knots
14
12
10
8
6
NaN:NaN:NaN S
-50:20:53.646 S
12 kHz Depth
meters
4000
4500
5000
5500
NaN:NaN:NaN W
-161:55:55.716 W
x 10^4
Total Magnetic Field
nT
5.65
5.6
5.55
5.5
File=1
File=720

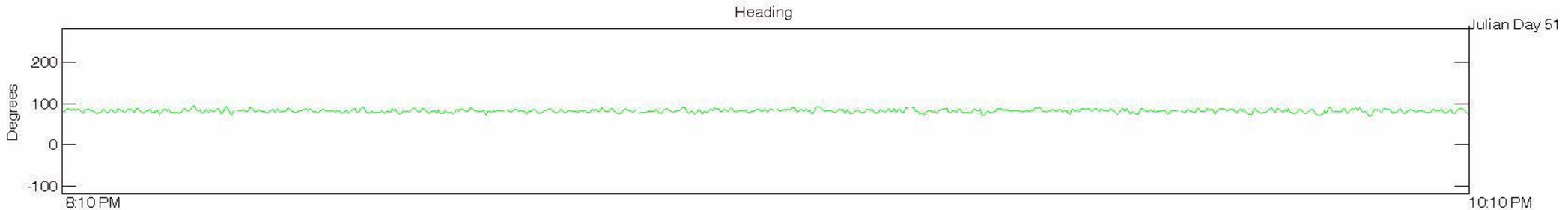

HOUR
17.5
17
16.5
W
E
JD
MINUTE
51
7 15 20 25 30 35 40 45 50 55 0 5 10 15 20 25 30 35 40 45 50 55 0 5
6 km
TUIM 3 Seismic
JD 51
Two way travel time (ms)
Time (ms)
5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400

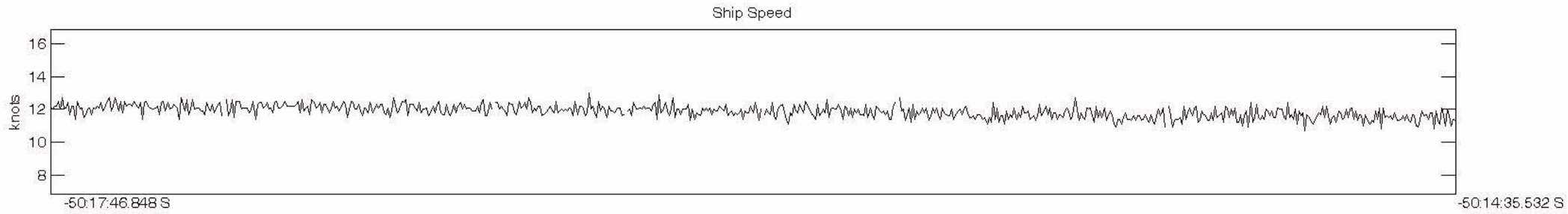
Data File SBfixavg.2005feb20.1800-2400

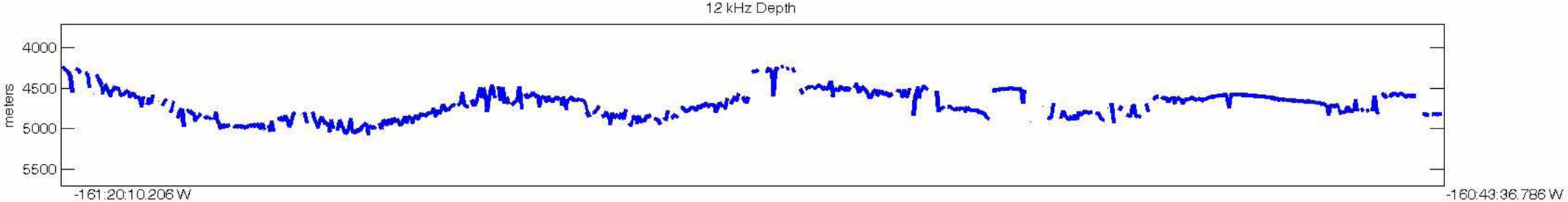


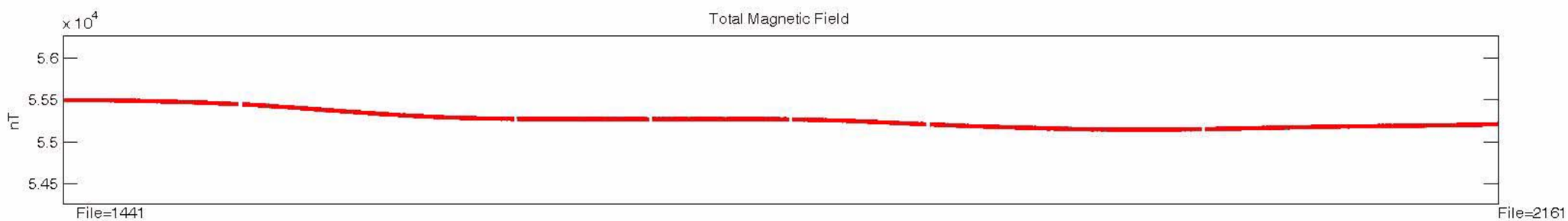

Heading
Julian Day 51
Degrees
200
100
0
-100
6:10 PM
8:10 PM
Ship Speed
knots
16
14
12
10
8
-50:20:53.364 S
-50:17:47.094 S
12 kHz Depth
meters
4000
4500
5000
5500
-161:55:52.83 W
-161:20:13.32 W
x 10^4
Total Magnetic Field
nT
5.6
5.55
5.5
5.45
File=721
File=1440

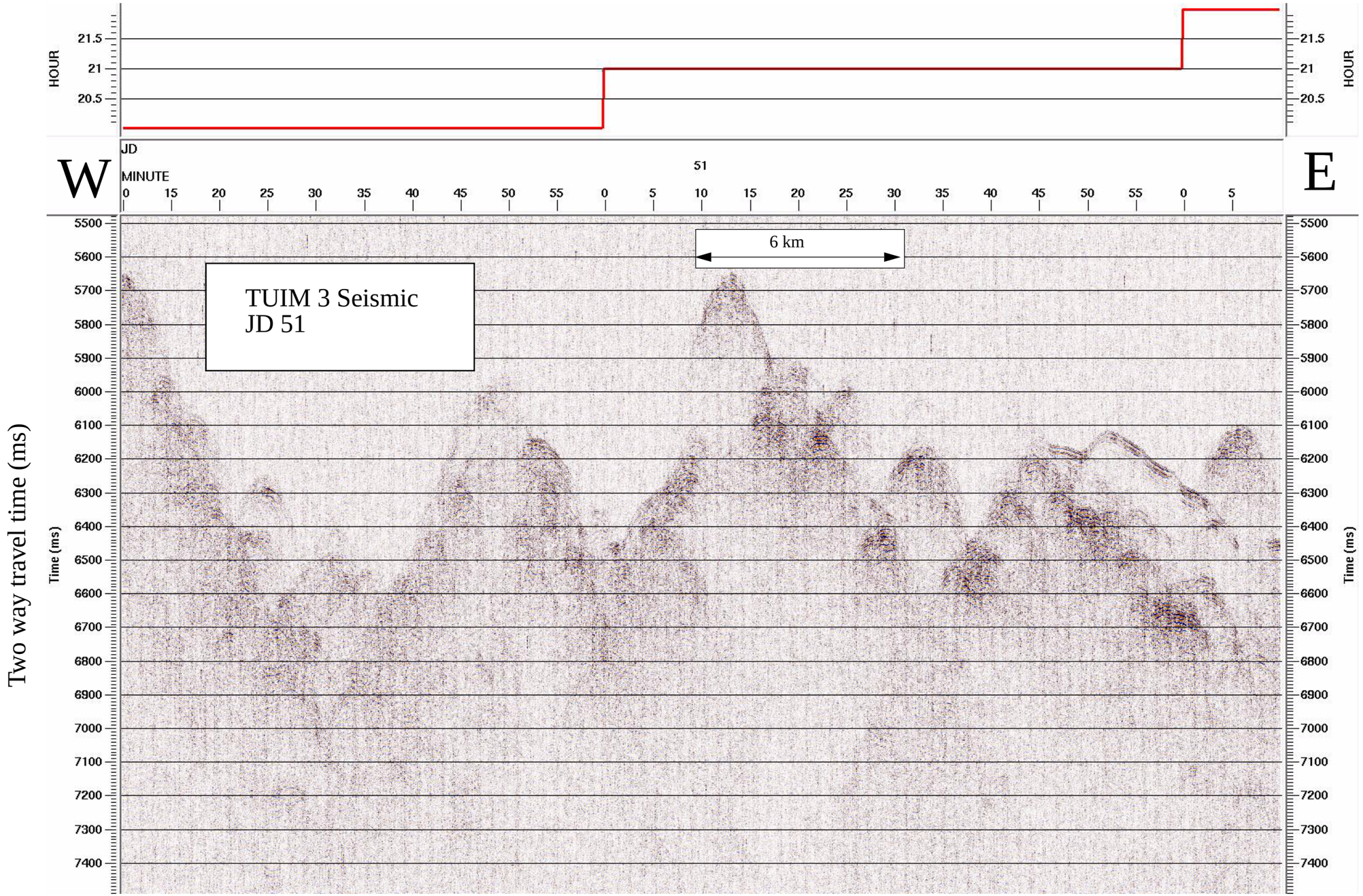

HOUR
19.5
19
18.5
W
E
JD
51
MINUTE
0 15 20 25 30 35 40 45 50 55 0 5 10 15 20 25 30 35 40 45 50 55 0 5
6 km
TUIM 3 Seismic
JD 51
Two way travel time (ms)
Time (ms)
5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400

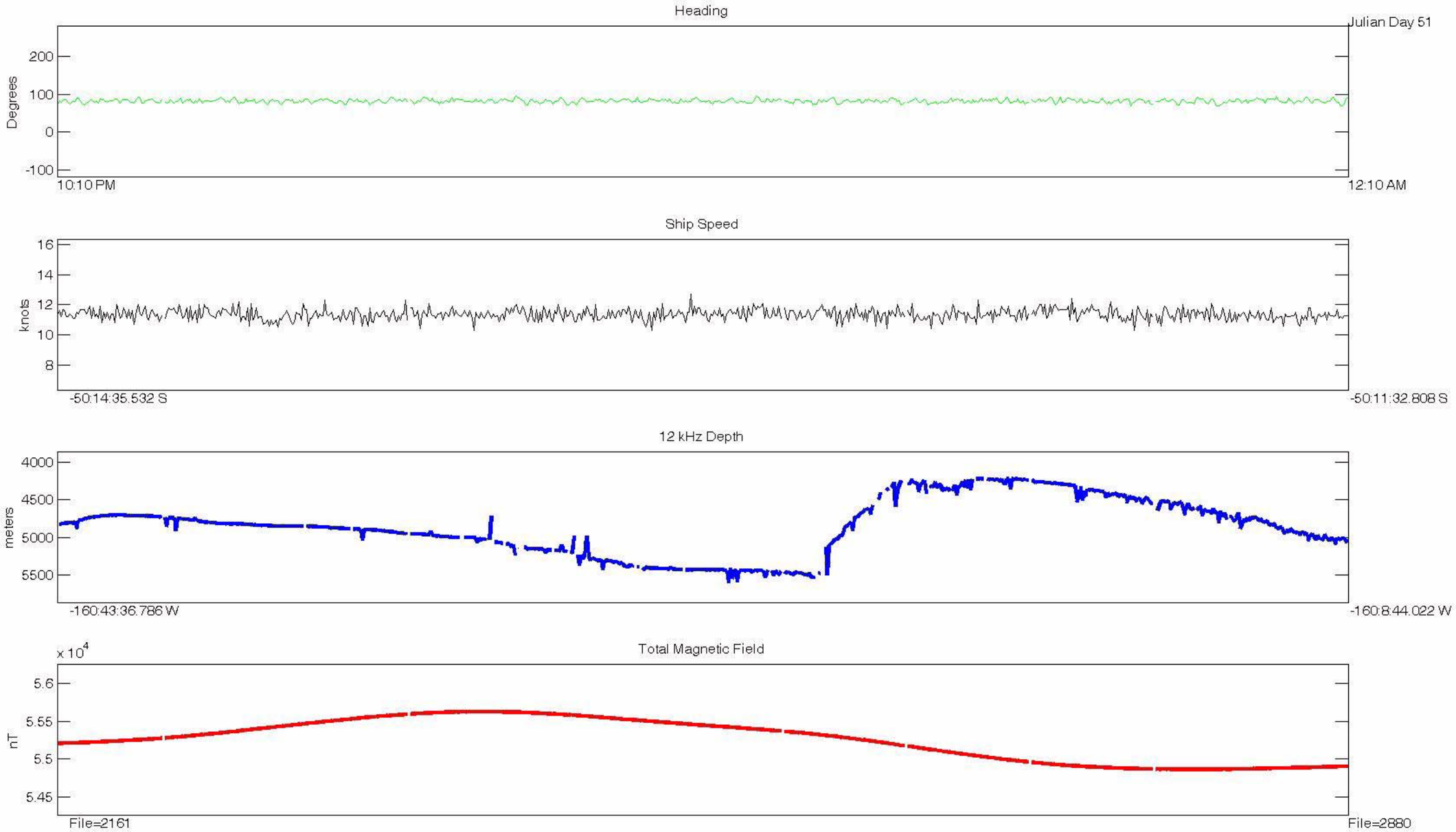

Heading
Julian Day 51
Degrees
200
100
0
-100
8:10 PM
10:10 PM

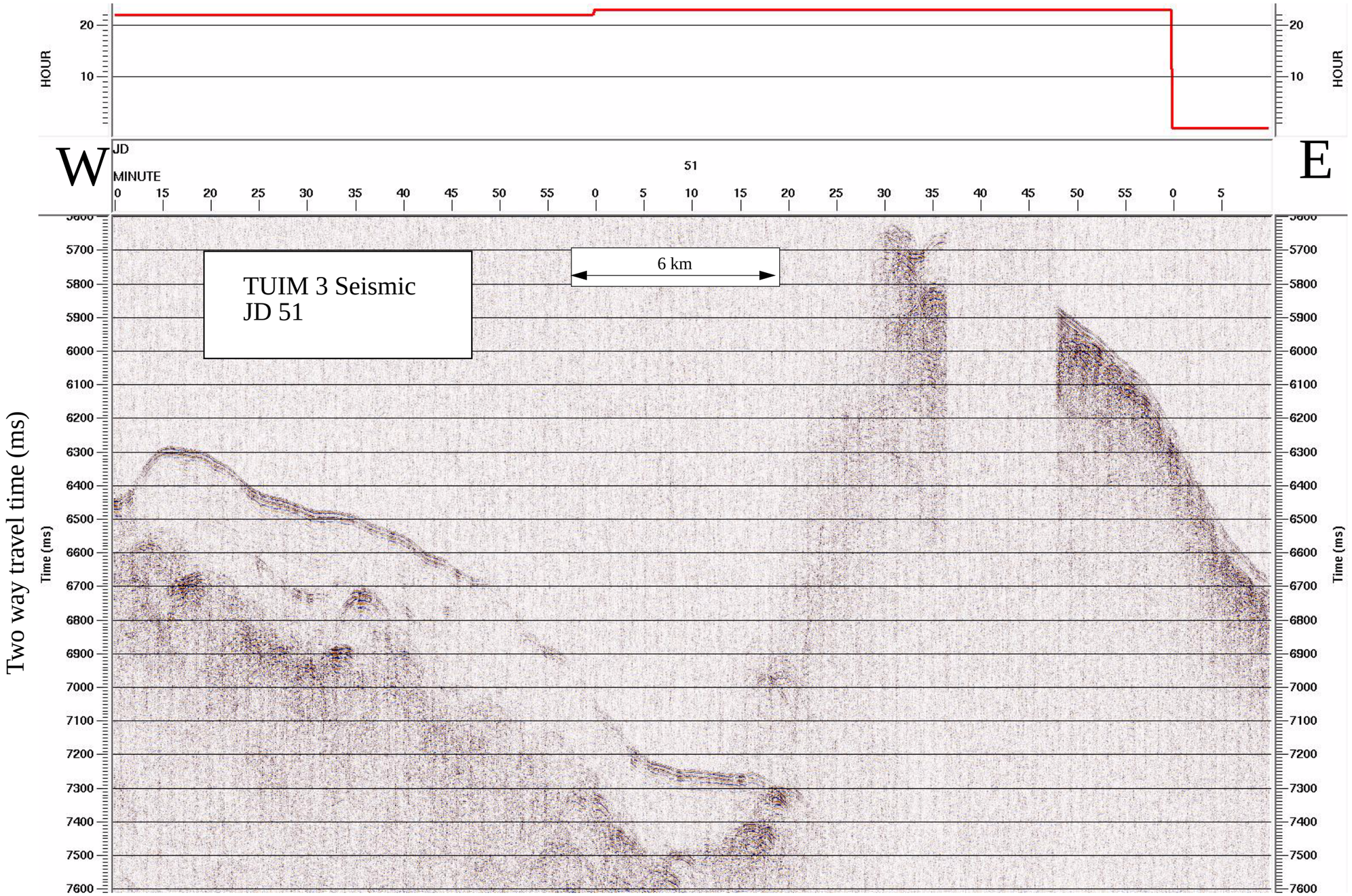

Ship Speed
knots
16
14
12
10
8
-50:17:46.848 S
-50:14:35.532 S


12 kHz Depth
meters
4000
4500
5000
5500
-161:20:10.206 W
-160:43:36.786 W


Total Magnetic Field
x 10^4
nT
5.6
5.55
5.5
5.45
File=1441
File=2161

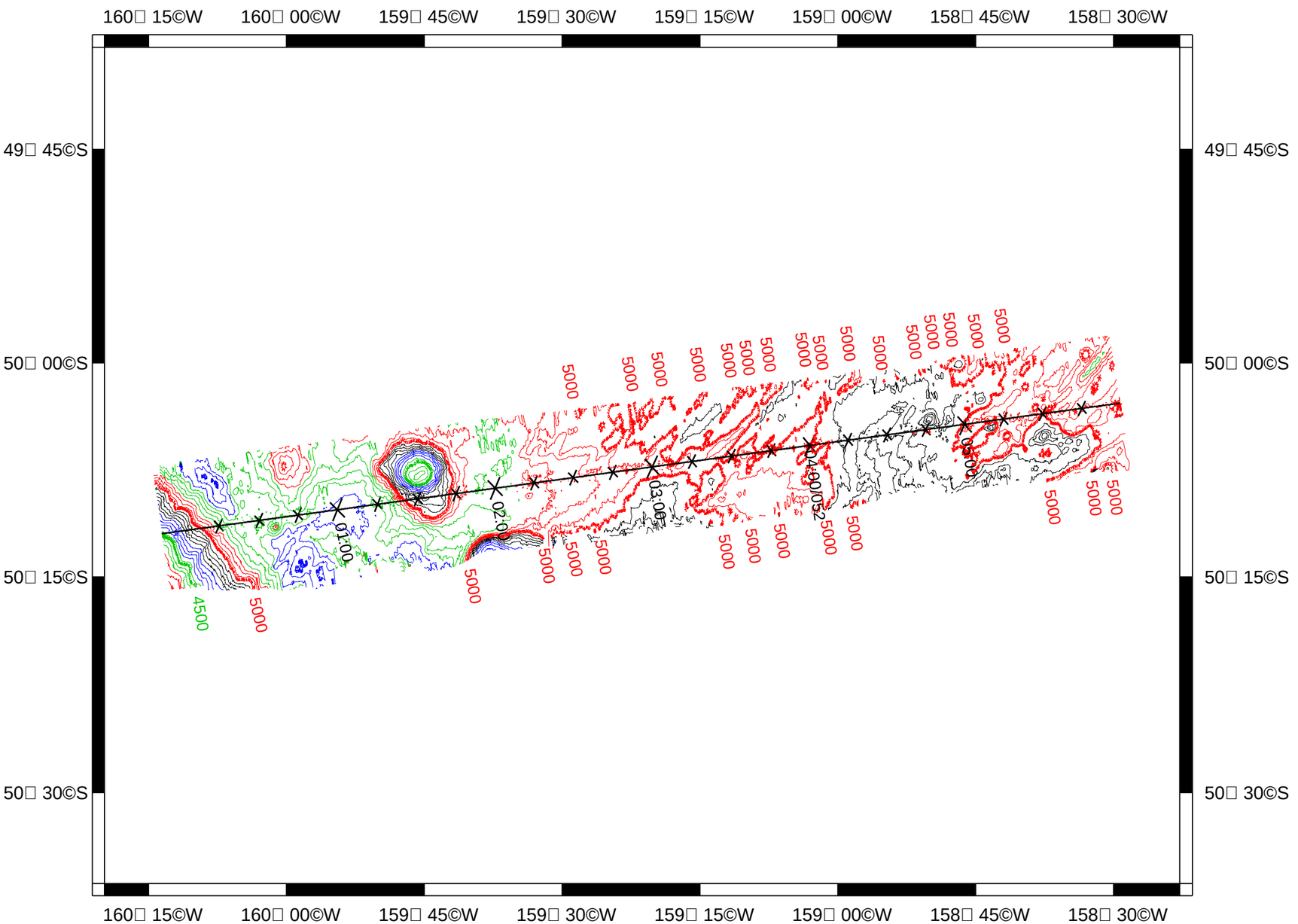

HOUR
21.5
21
20.5
W
E
JD
51
MINUTE
0 15 20 25 30 35 40 45 50 55 0 5 10 15 20 25 30 35 40 45 50 55 0 5
6 km
TUIM 3 Seismic
JD 51
Two way travel time (ms)
Time (ms)
5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400

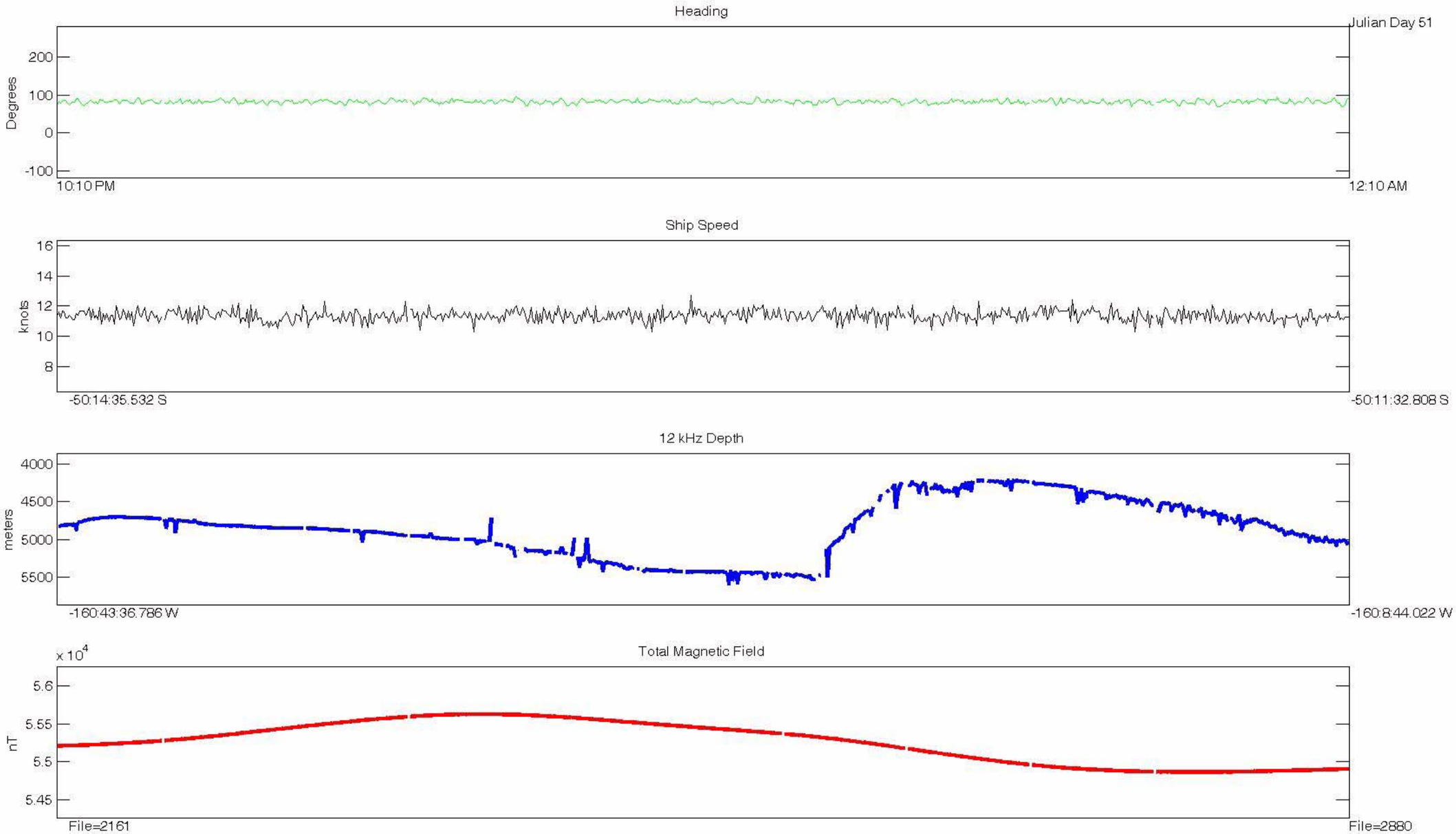

Heading
Julian Day 51
Degrees
200
100
0
-100
10:10 PM
12:10 AM
Ship Speed
knots
16
14
12
10
8
-50:14:35.532 S
-50:11:32.808 S
12 kHz Depth
meters
4000
4500
5000
5500
-160:43:36.786 W
-160:8:44.022 W
x 10^4
Total Magnetic Field
nT
5.6
5.55
5.5
5.45
File=2161
File=2880

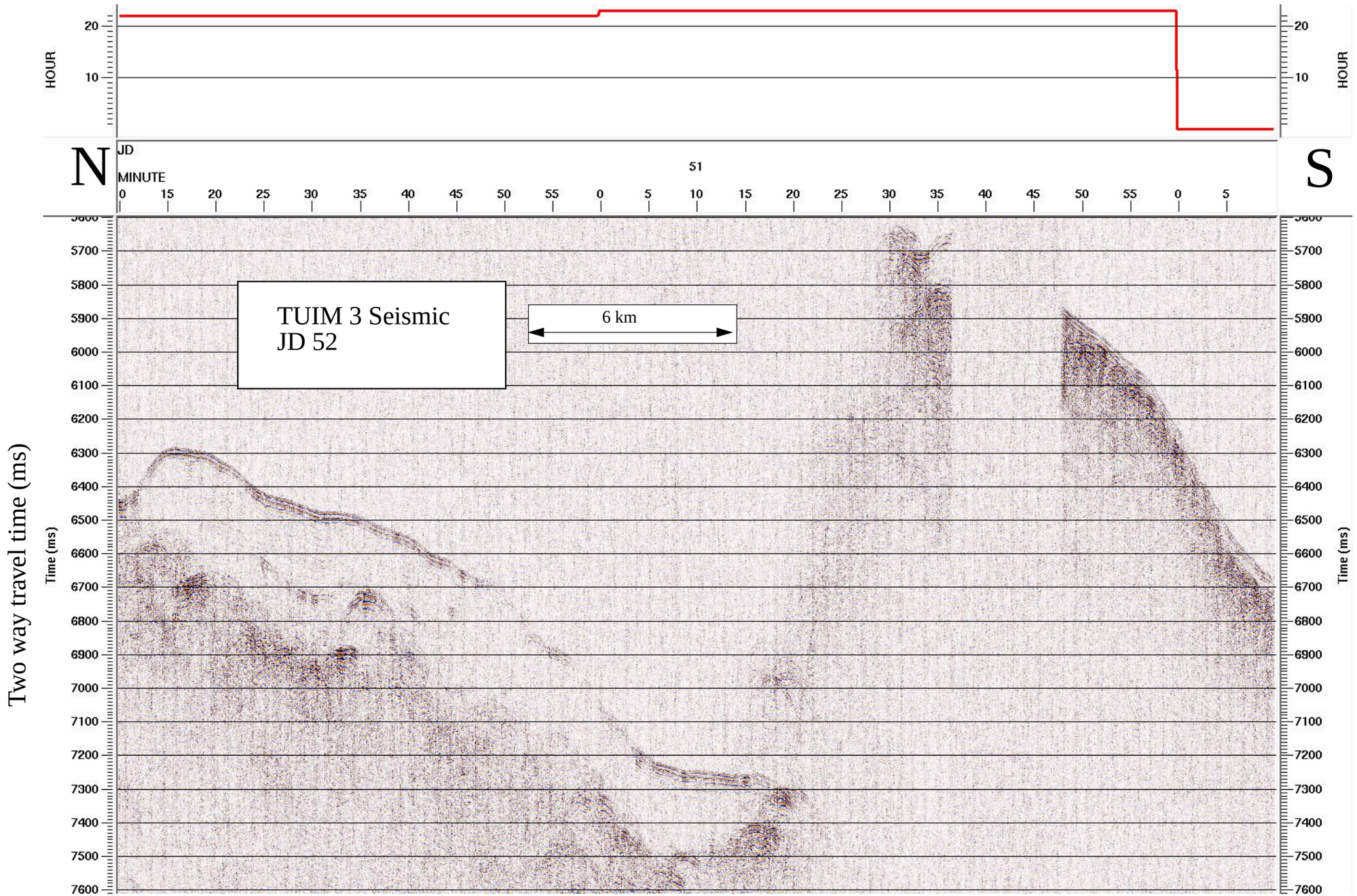

HOUR
20
10
W
E
JD
MINUTE
51
0 15 20 25 30 35 40 45 50 55 0 5 10 15 20 25 30 35 40 45 50 55 0 5
TUIM 3 Seismic
JD 51
6 km
Two way travel time (ms)
Time (ms)
5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600

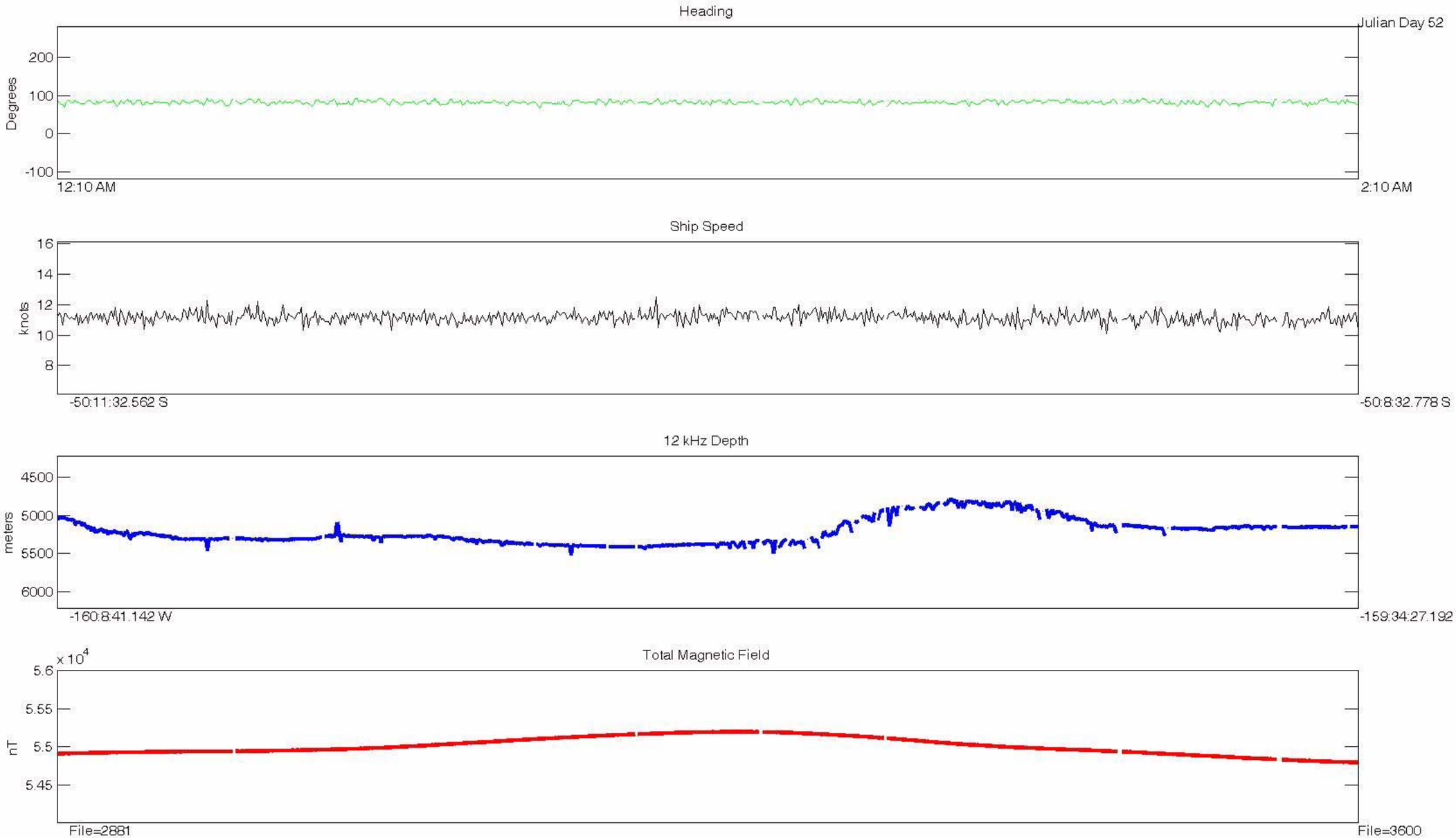
Julian Day 52
21 February 2005
150 c.i GI gun Source,
4-channel SIO streamer

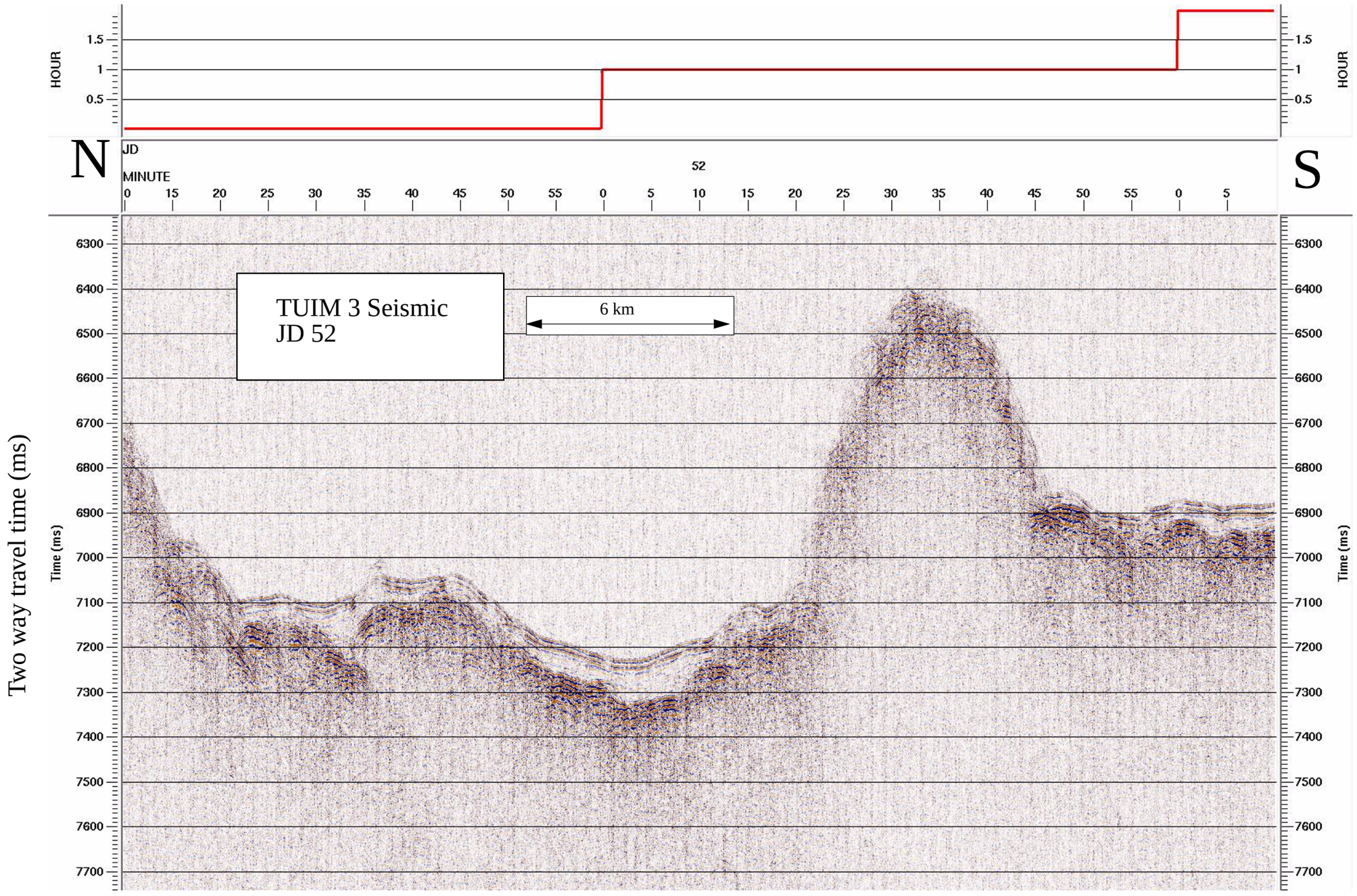
Data File SBfixavg.2005feb21.0000-0600

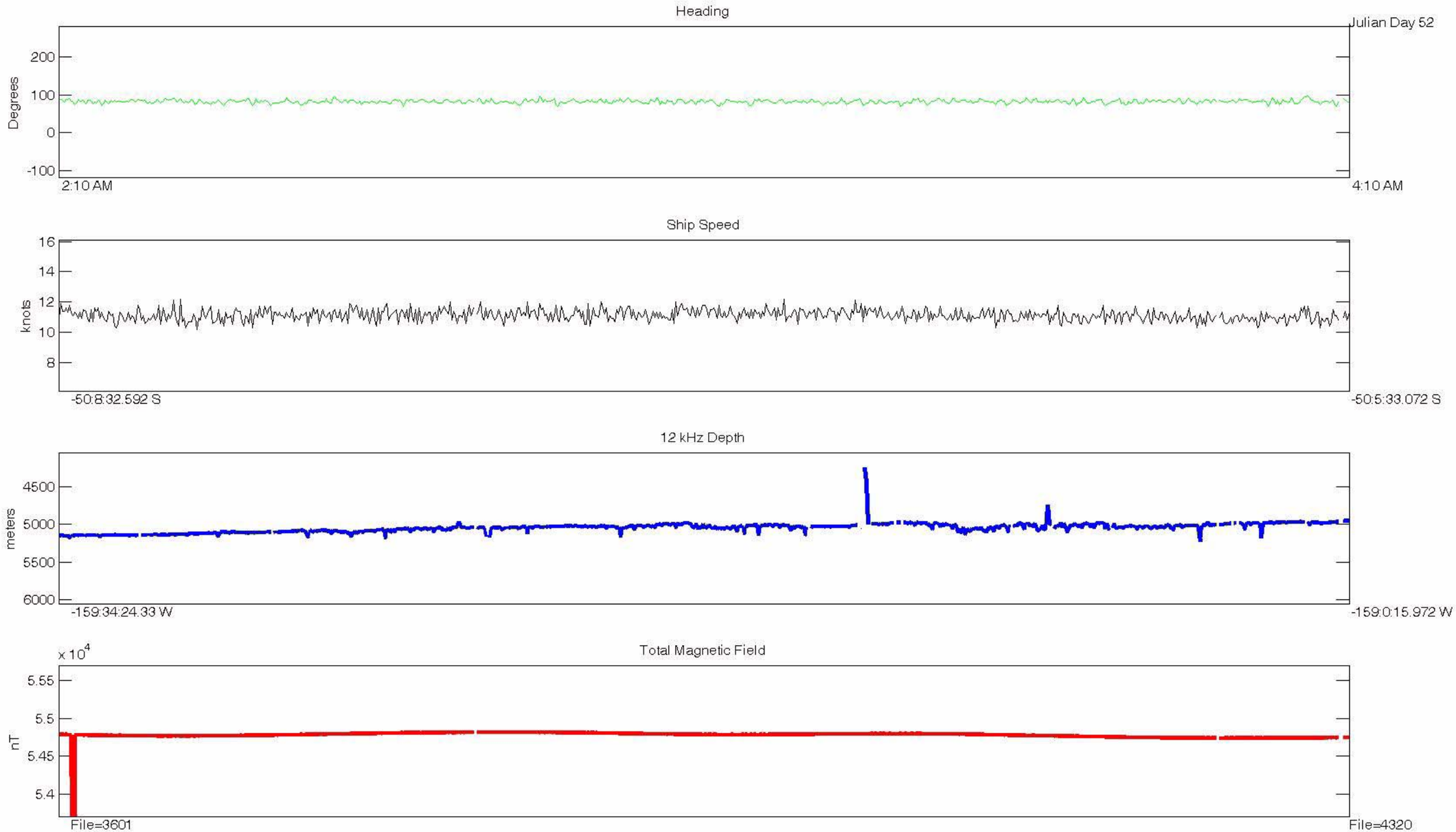


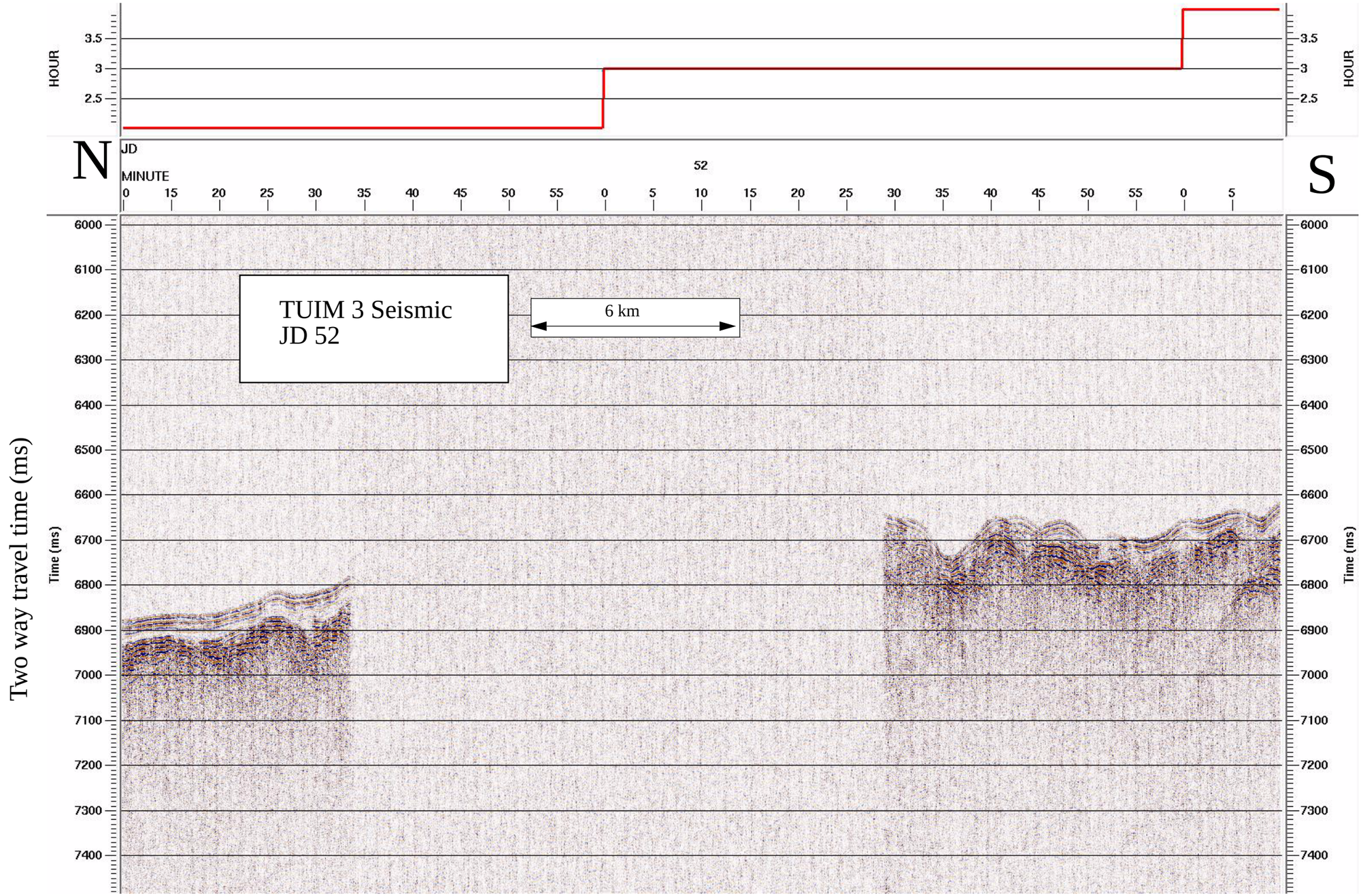

Heading
Julian Day 51
Degrees
200
100
0
-100
10:10 PM
12:10 AM
Ship Speed
knots
16
14
12
10
8
-50:14:35.532 S
-50:11:32.808 S
12 kHz Depth
meters
4000
4500
5000
5500
-160:43:36.786 W
-160:8:44.022 W
x 10^4
Total Magnetic Field
nT
5.6
5.55
5.5
5.45
File=2161
File=2880

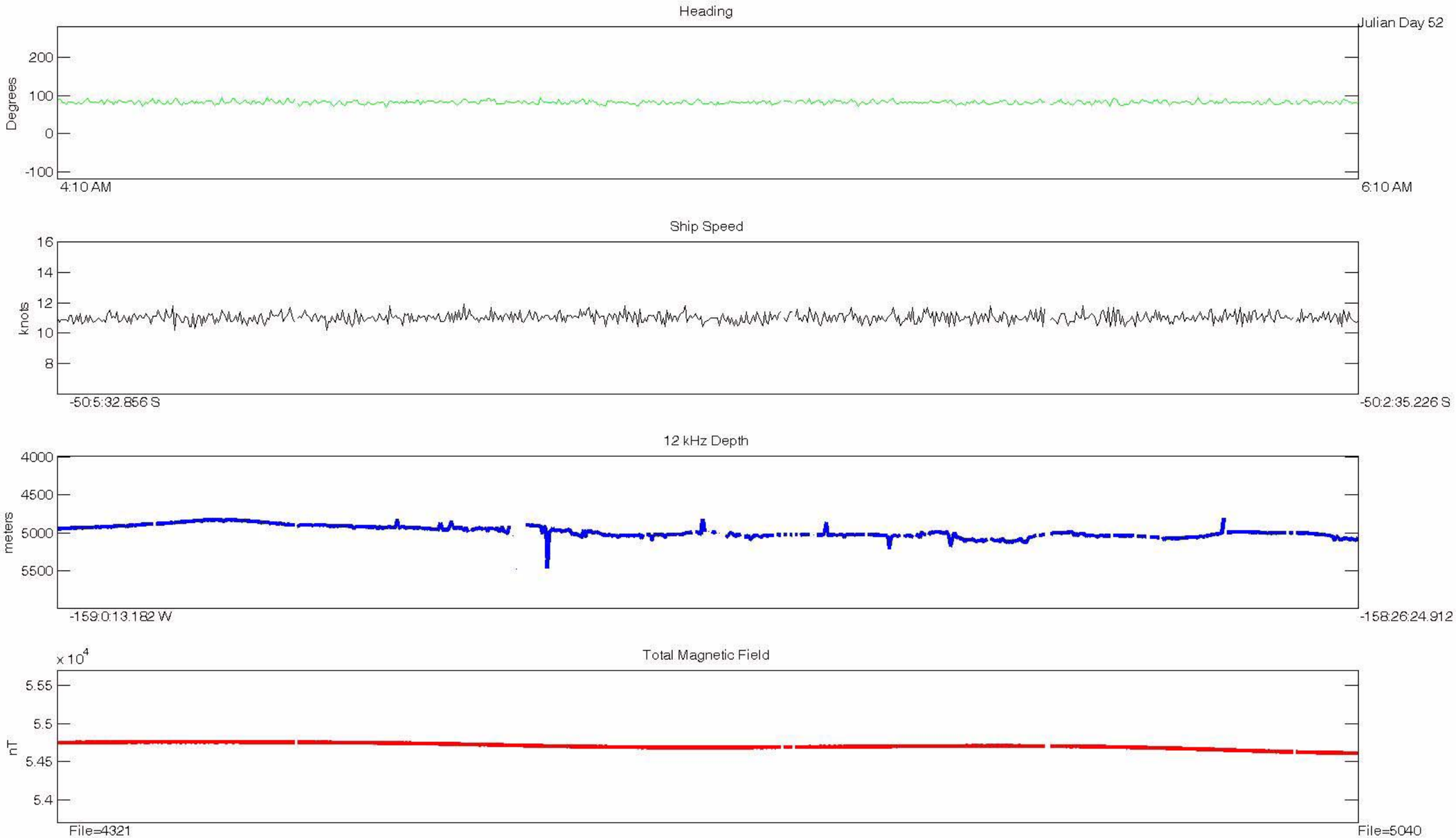

HOUR
20
10
N
JD
MINUTE
51
0 15 20 25 30 35 40 45 50 55 0 5 10 15 20 25 30 35 40 45 50 55 0 5
S
TUIM 3 Seismic
JD 52
6 km
Two way travel time (ms)
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600

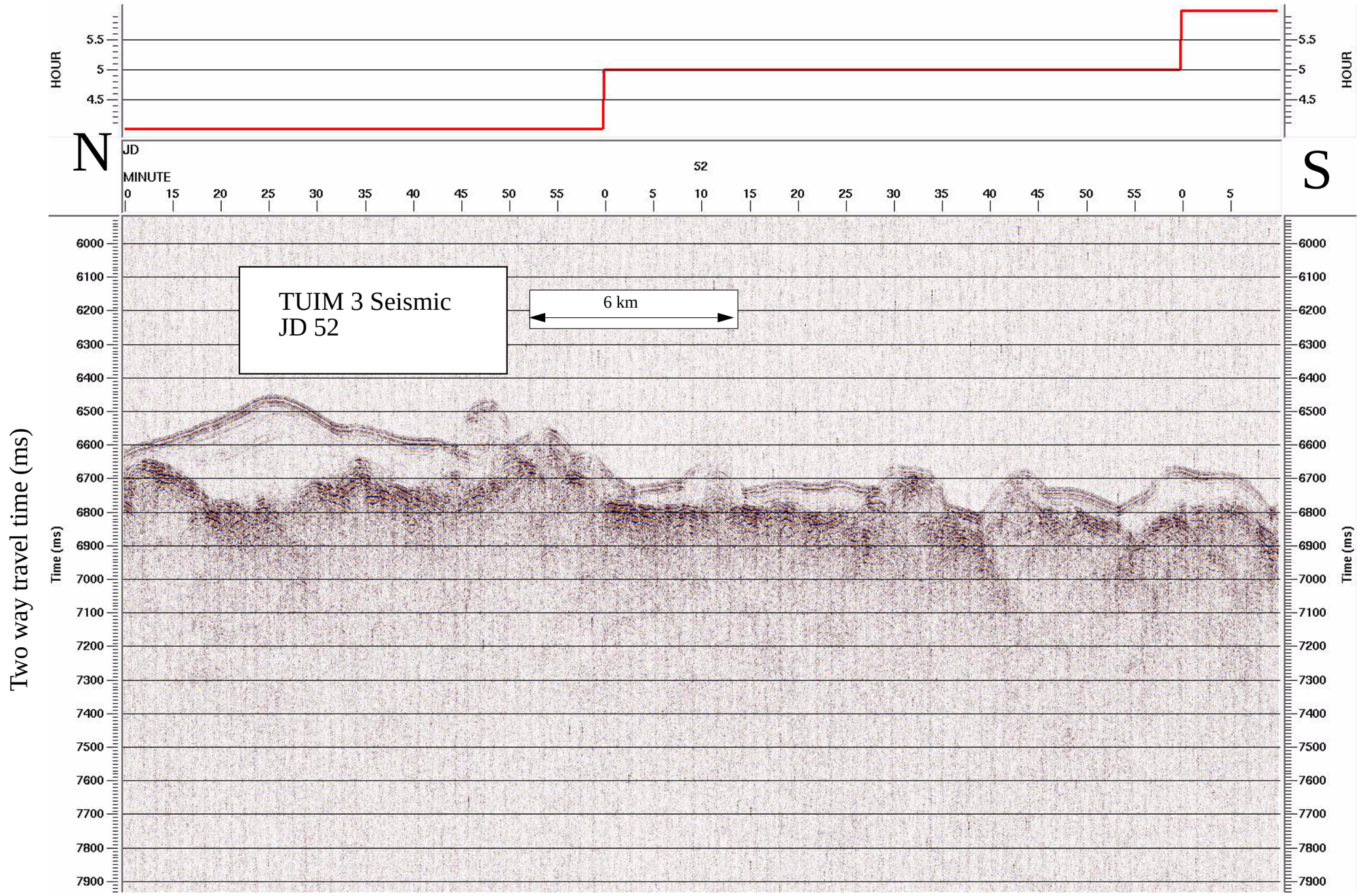

Heading
Julian Day 52
Degrees
200
100
0
-100
12:10 AM
2:10 AM
Ship Speed
knots
16
14
12
10
8
-50:11:32.562 S
-50:8:32.778 S
12 kHz Depth
meters
4500
5000
5500
6000
-160:8:41.142 W
-159:34:27.192 W
Total Magnetic Field
x 10^4
nT
5.6
5.55
5.5
5.45
File=2881
File=3600


HOUR
1.5
1
0.5
N
S
JD
52
MINUTE
0 15 20 25 30 35 40 45 50 55 0 5 10 15 20 25 30 35 40 45 50 55 0 5
TUIM 3 Seismic
JD 52
6 km
Time (ms)
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
Two way travel time (ms)

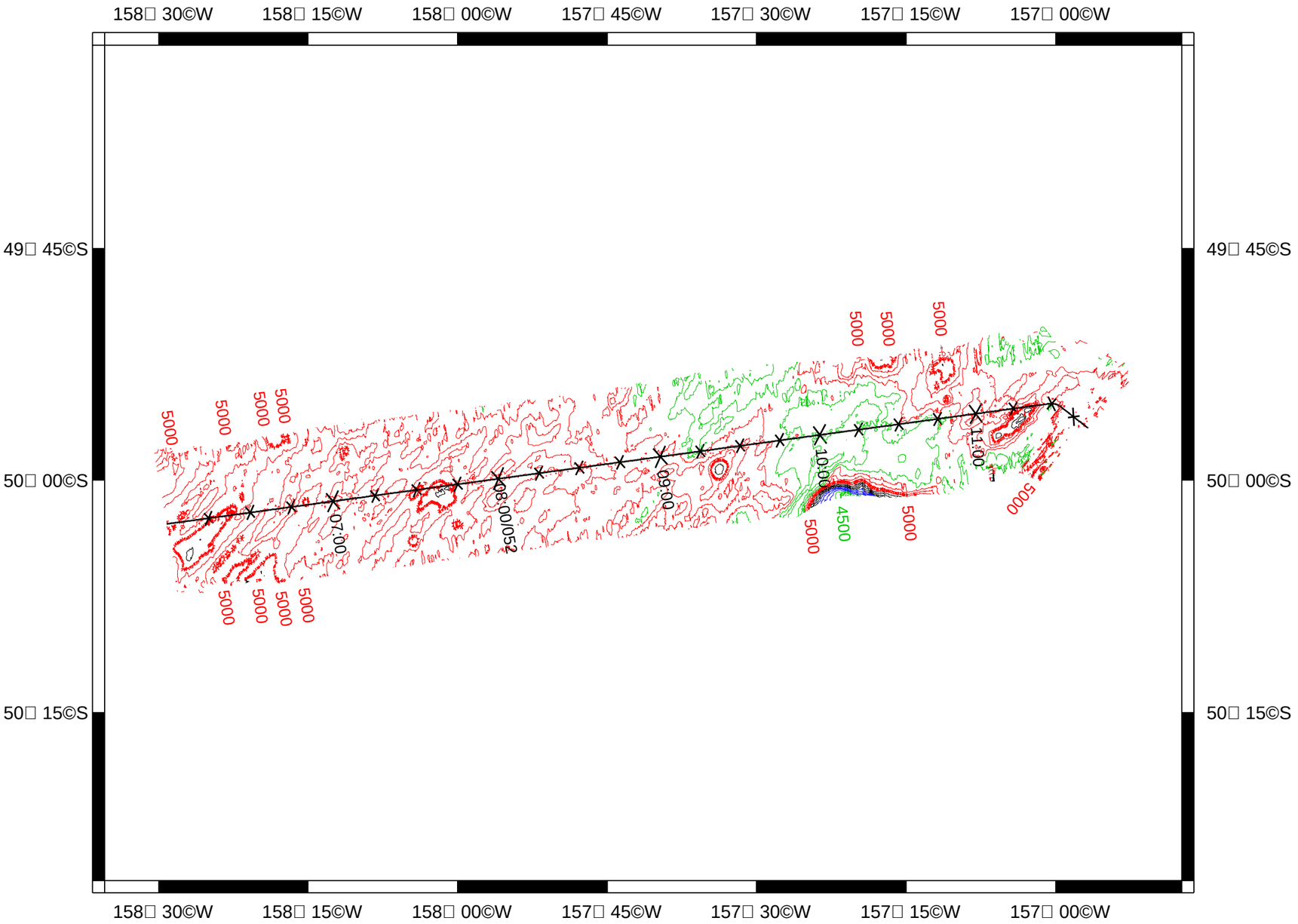

Heading
Julian Day 52
Degrees
200
100
0
-100
2:10 AM
4:10 AM
Ship Speed
knots
16
14
12
10
8
-50:8:32.592 S
-50:5:33.072 S
12 kHz Depth
meters
4500
5000
5500
6000
-159:34:24.33 W
-159:0:15.972 W
Total Magnetic Field
x 10^4
nT
5.55
5.5
5.45
5.4
File=3601
File=4320

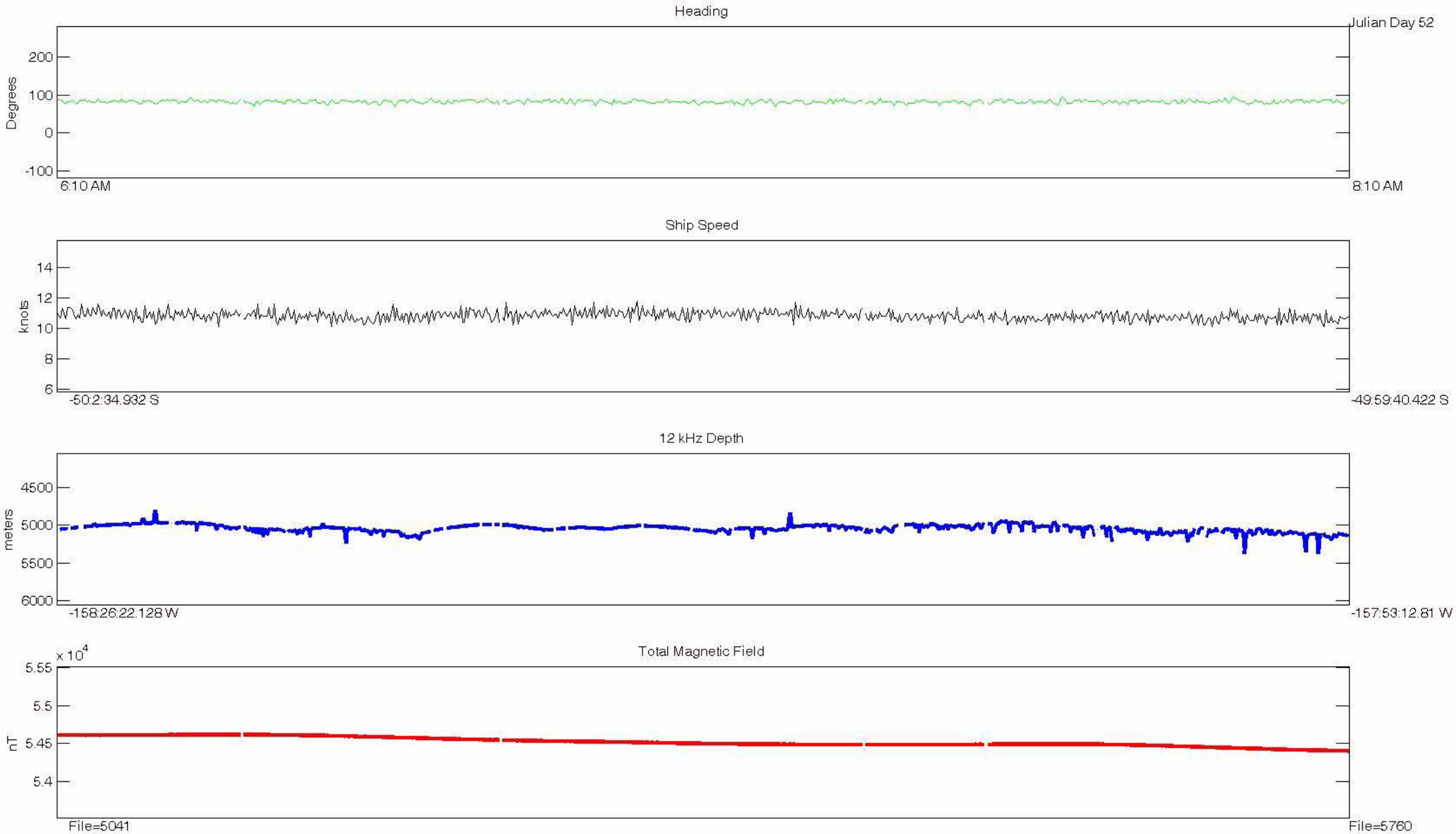

HOUR
3.5
3
2.5
N
S
JD
52
MINUTE
0 15 20 25 30 35 40 45 50 55 0 5 10 15 20 25 30 35 40 45 50 55 0 5
TUIM 3 Seismic
JD 52
6 km
Two way travel time (ms)
Time (ms)
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400

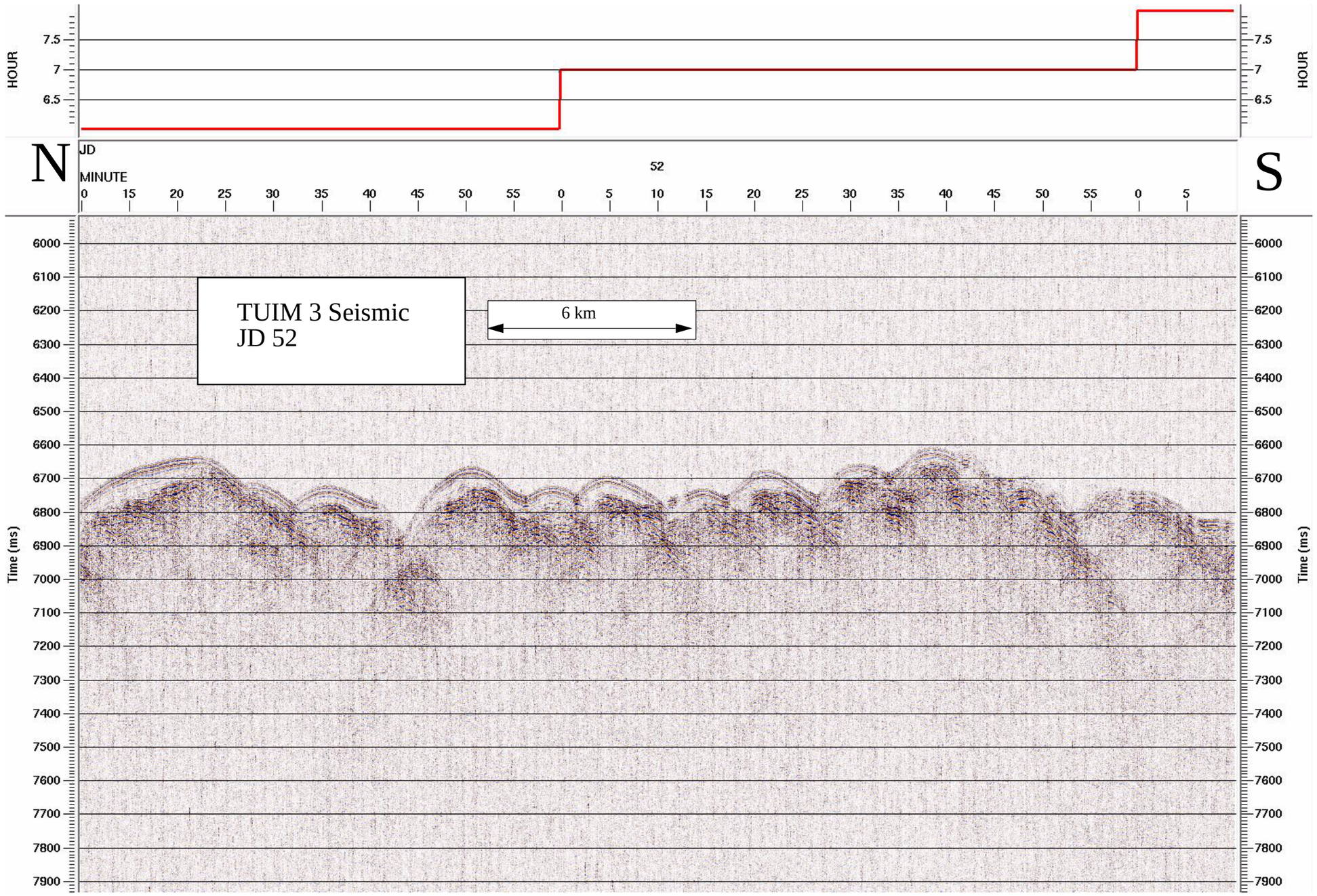

Heading
Julian Day 52
Degrees
200
100
0
-100
4:10 AM
6:10 AM
Ship Speed
knots
16
14
12
10
8
-50:5:32.856 S
-50:2:35.226 S
12 kHz Depth
meters
4000
4500
5000
5500
-159:0:13.182 W
-158:26:24.912 W
x 10^4
Total Magnetic Field
nT
5.55
5.5
5.45
5.4
File=4321
File=5040

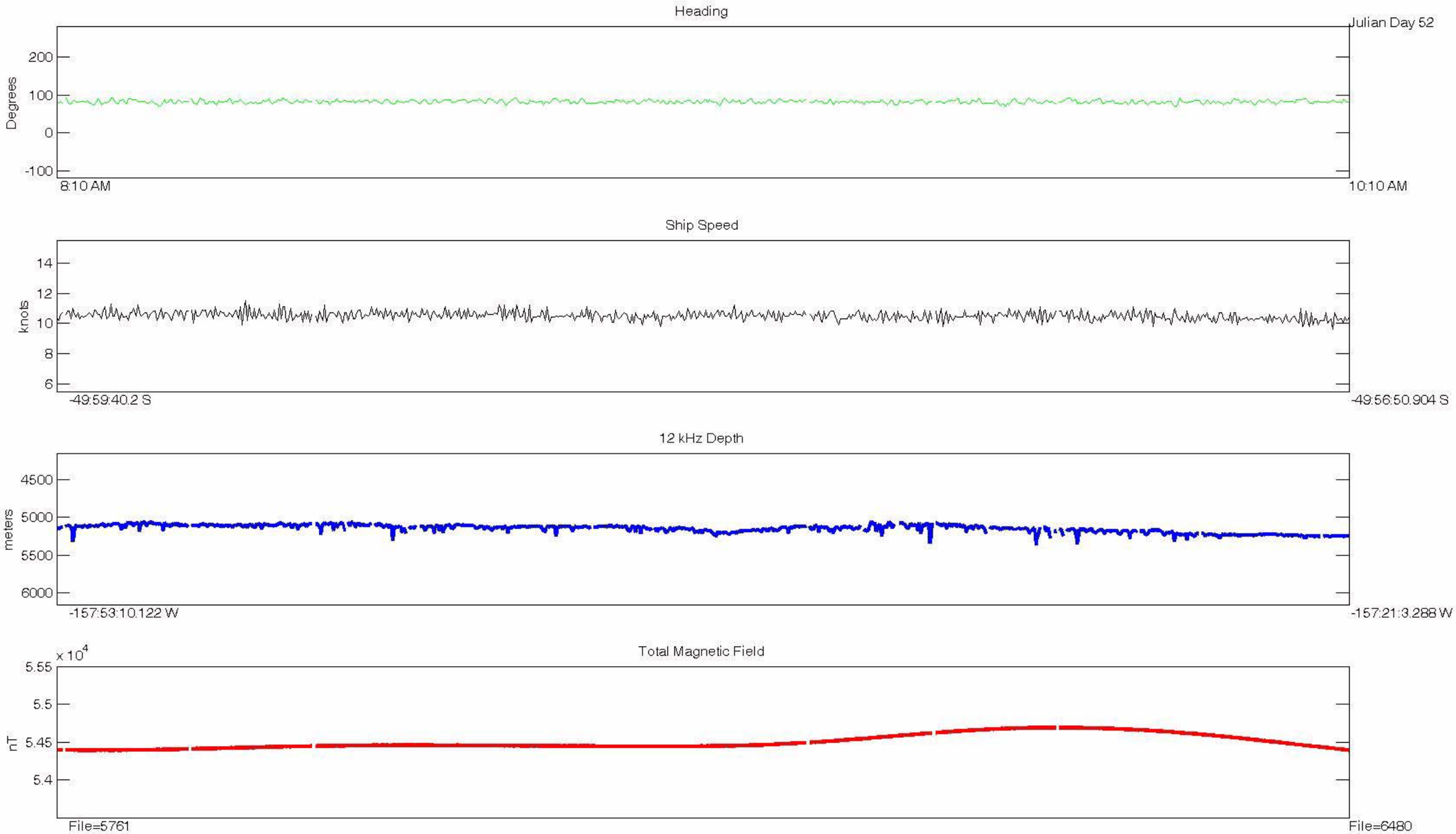

HOUR
5.5
5
4.5
N
JD
52
MINUTE
0 15 20 25 30 35 40 45 50 55 0 5 10 15 20 25 30 35 40 45 50 55 0 5
S
TUIM 3 Seismic
JD 52
6 km
Two way travel time (ms)
Time (ms)
6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900

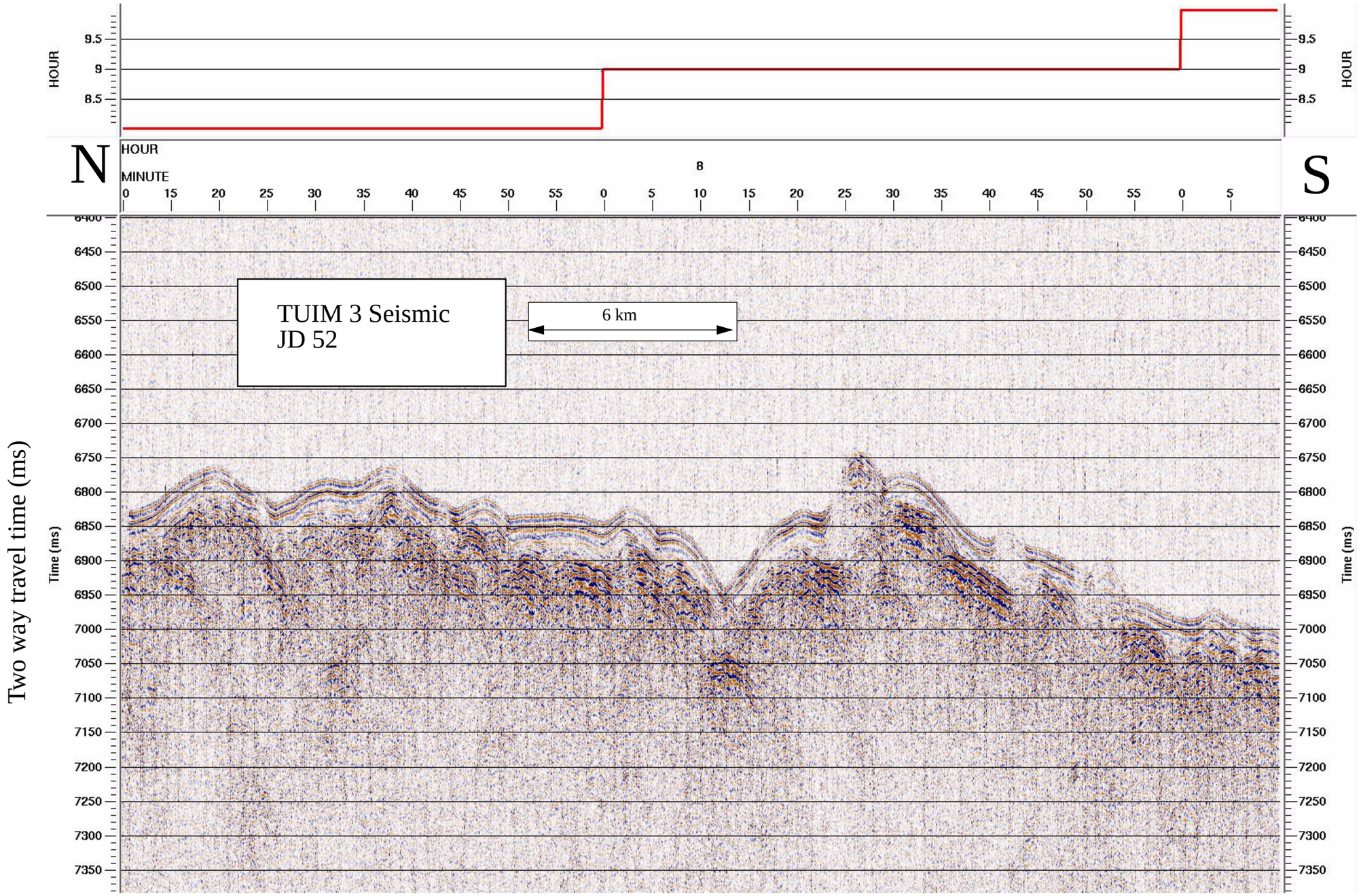
Data File SBfixavg.2005feb21.0600-1200

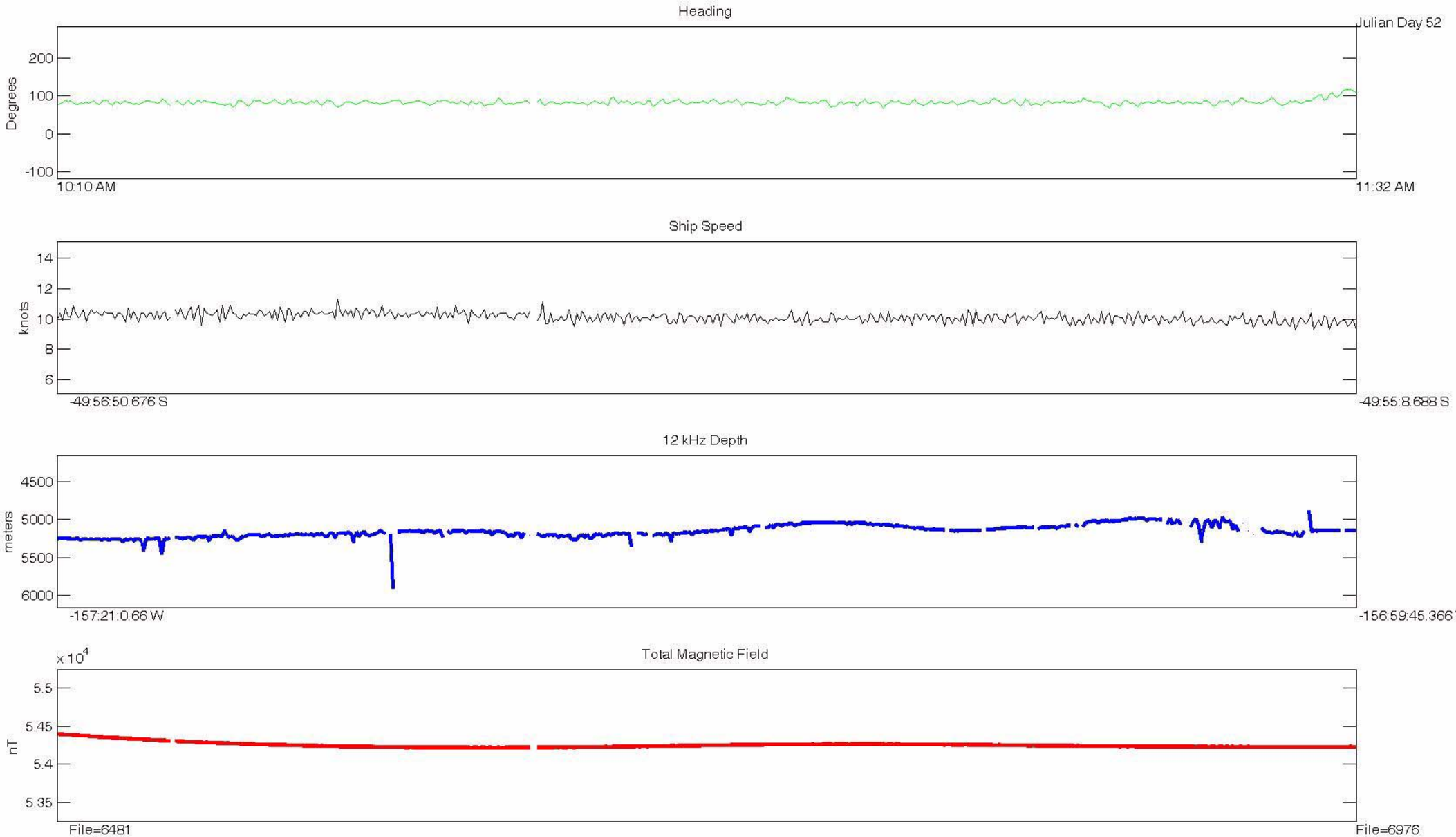


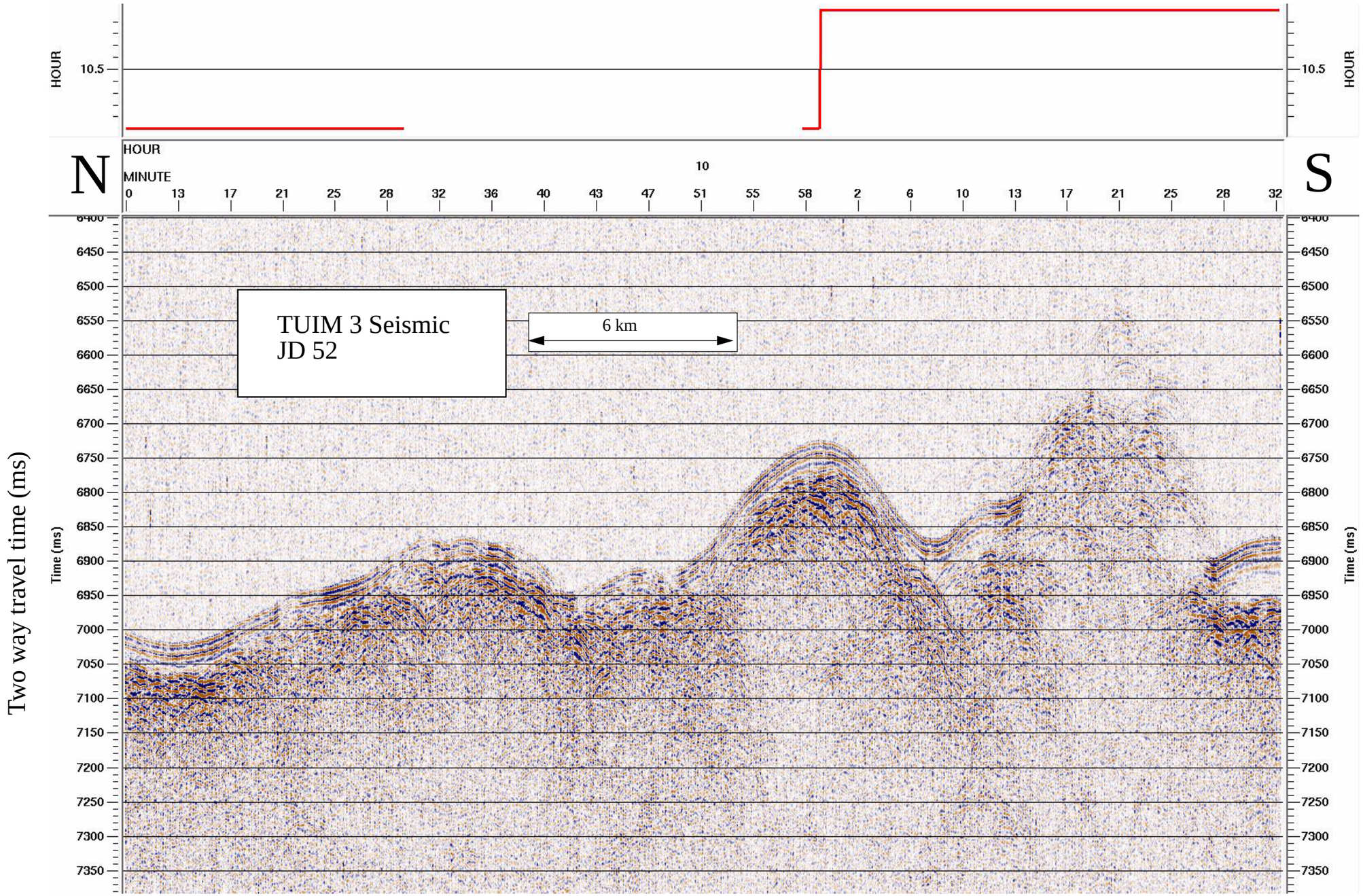

Heading
Julian Day 52
Degrees
200
100
0
-100
6:10 AM
8:10 AM
Ship Speed
knots
14
12
10
8
6
-50:2:34.932 S
-49:59:40.422 S
12 kHz Depth
meters
4500
5000
5500
6000
-158:26:22.128 W
-157:53:12.81 W
Total Magnetic Field
x 10^4
nT
5.55
5.5
5.45
5.4
File=5041
File=5760


HOUR
7.5
7
6.5
N
JD
MINUTE
52
0 15 20 25 30 35 40 45 50 55 0 5 10 15 20 25 30 35 40 45 50 55 0 5
S
TUIM 3 Seismic
JD 52
6 km
Two way travel time (ms)
Time (ms)
6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900


Heading
Julian Day 52
Degrees
200
100
0
-100
8:10 AM
10:10 AM
Ship Speed
knots
14
12
10
8
6
-49:59:40.2 S
-49:56:50.904 S
12 kHz Depth
meters
4500
5000
5500
6000
-157:53:10.122 W
-157:21:3.288 W
Total Magnetic Field
x 10^4
nT
5.55
5.5
5.45
5.4
File=5761
File=6480

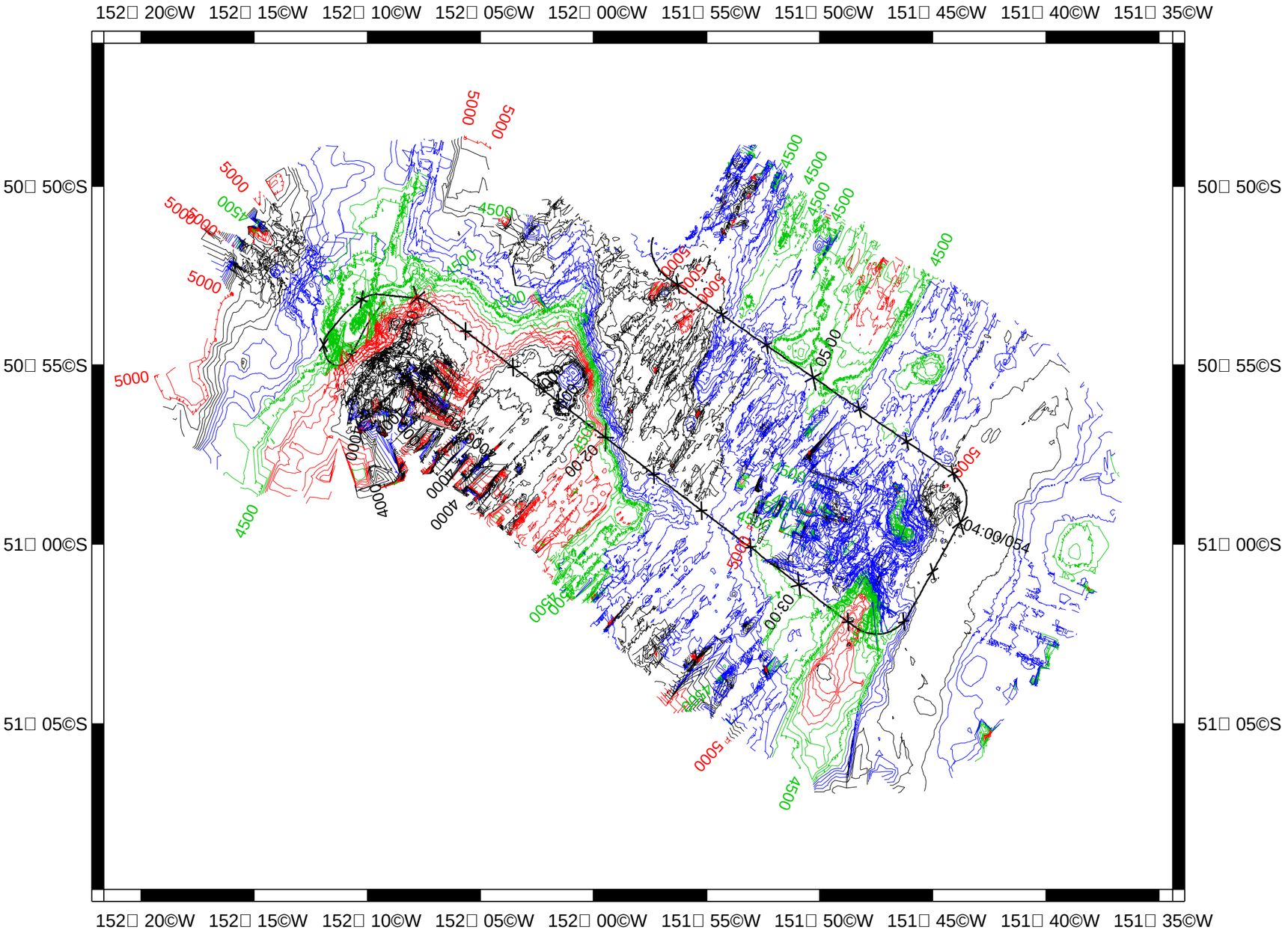

HOUR
9.5
9
8.5
N
S
HOUR
MINUTE
8
0 15 20 25 30 35 40 45 50 55 0 5 10 15 20 25 30 35 40 45 50 55 0 5
TUIM 3 Seismic
JD 52
6 km
Two way travel time (ms)
Time (ms)
6400 6450 6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300 7350

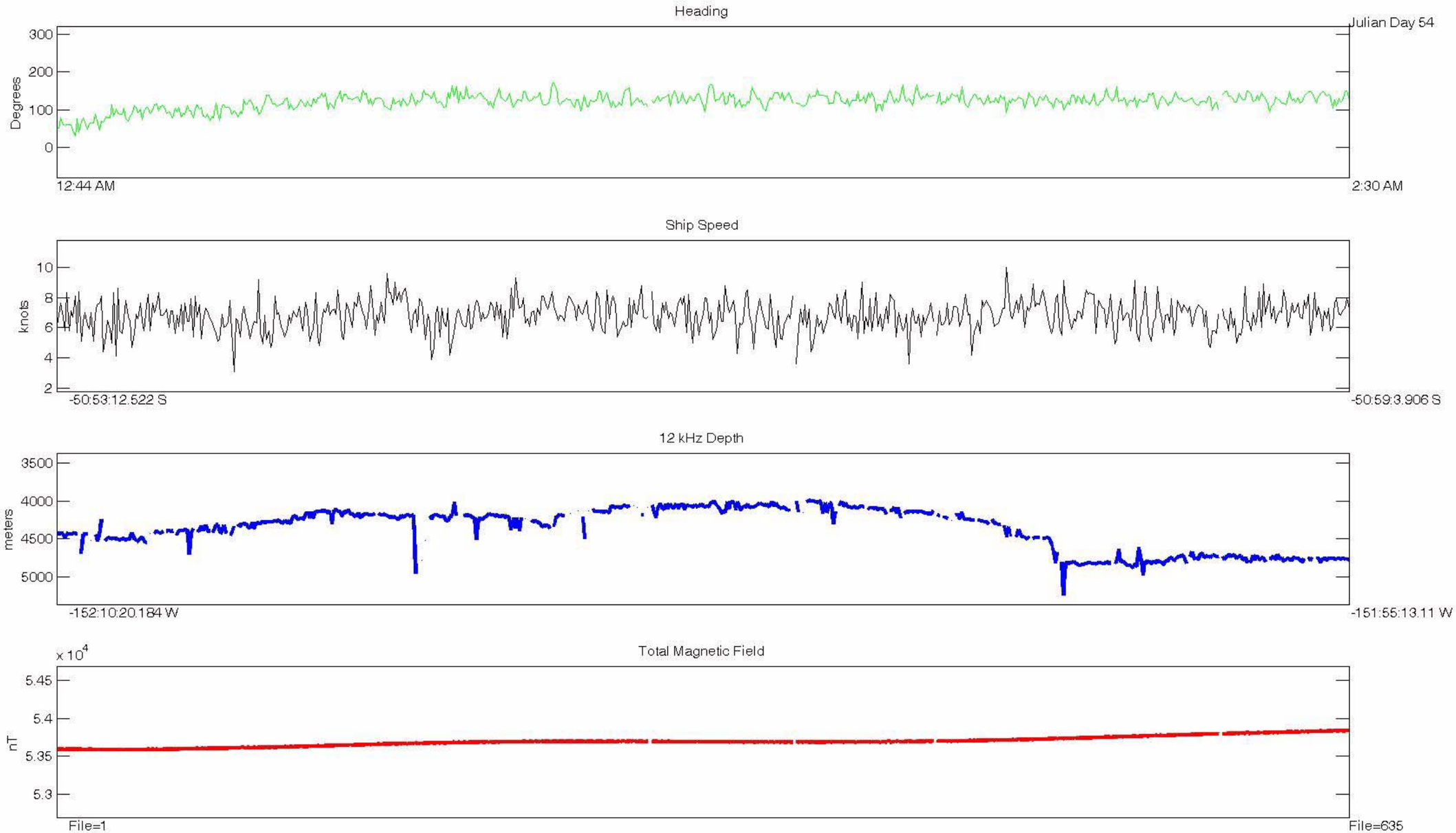

Heading
Julian Day 52
Degrees
200
100
0
-100
10:10 AM
11:32 AM
Ship Speed
knots
14
12
10
8
6
-49:56:50.676 S
-49:55:8.688 S
12 kHz Depth
meters
4500
5000
5500
6000
-157:21:0.66 W
-156:59:45.366 W
Total Magnetic Field
x 10^4
nT
5.5
5.45
5.4
5.35
File=6481
File=6976

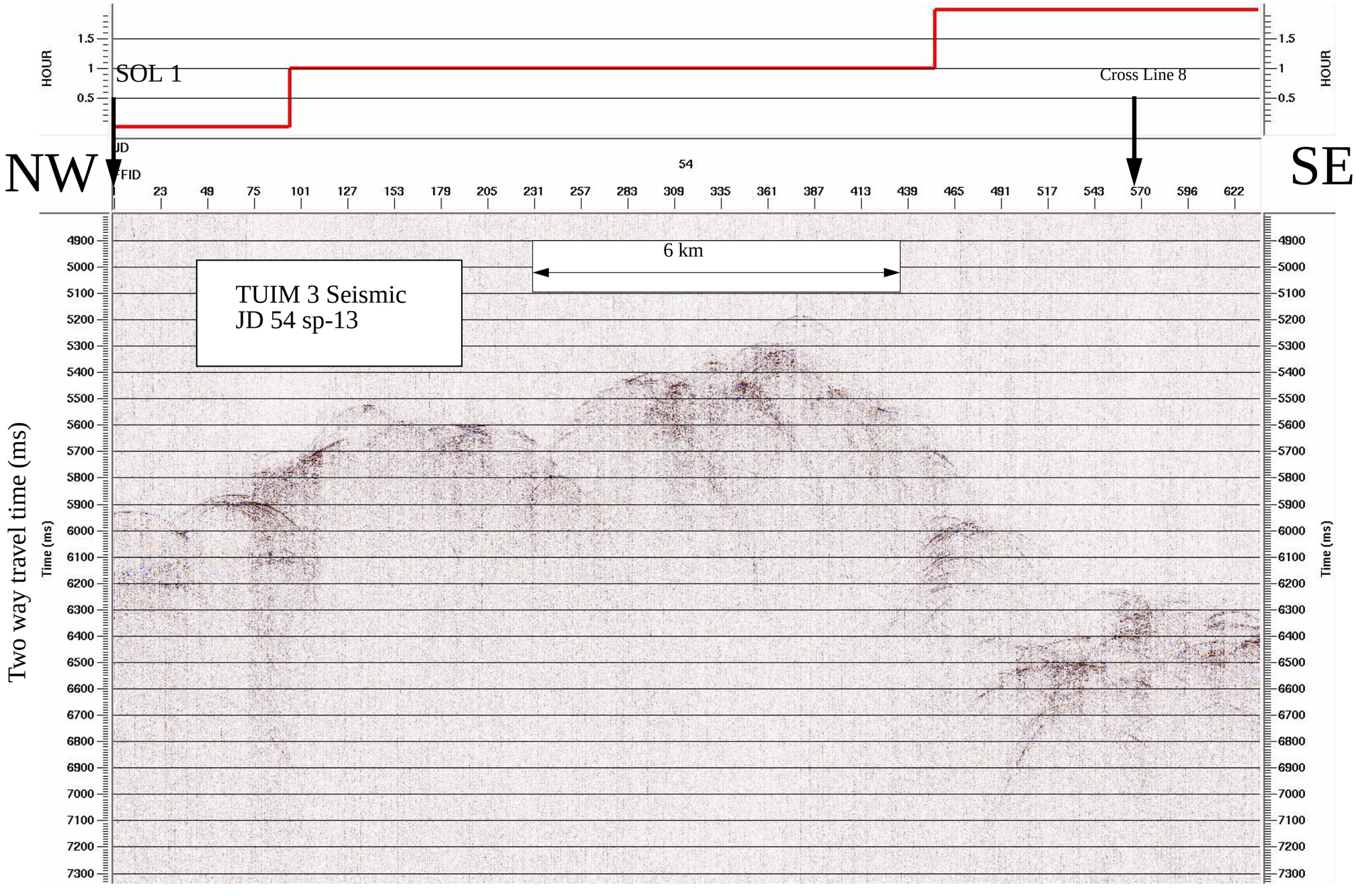

HOUR
10.5
N
S
HOUR
MINUTE
10
0 13 17 21 25 28 32 36 40 43 47 51 55 58 2 6 10 13 17 21 25 28 32
TUIM 3 Seismic
JD 52
6 km
Two way travel time (ms)
Time (ms)
6400 6450 6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300 7350

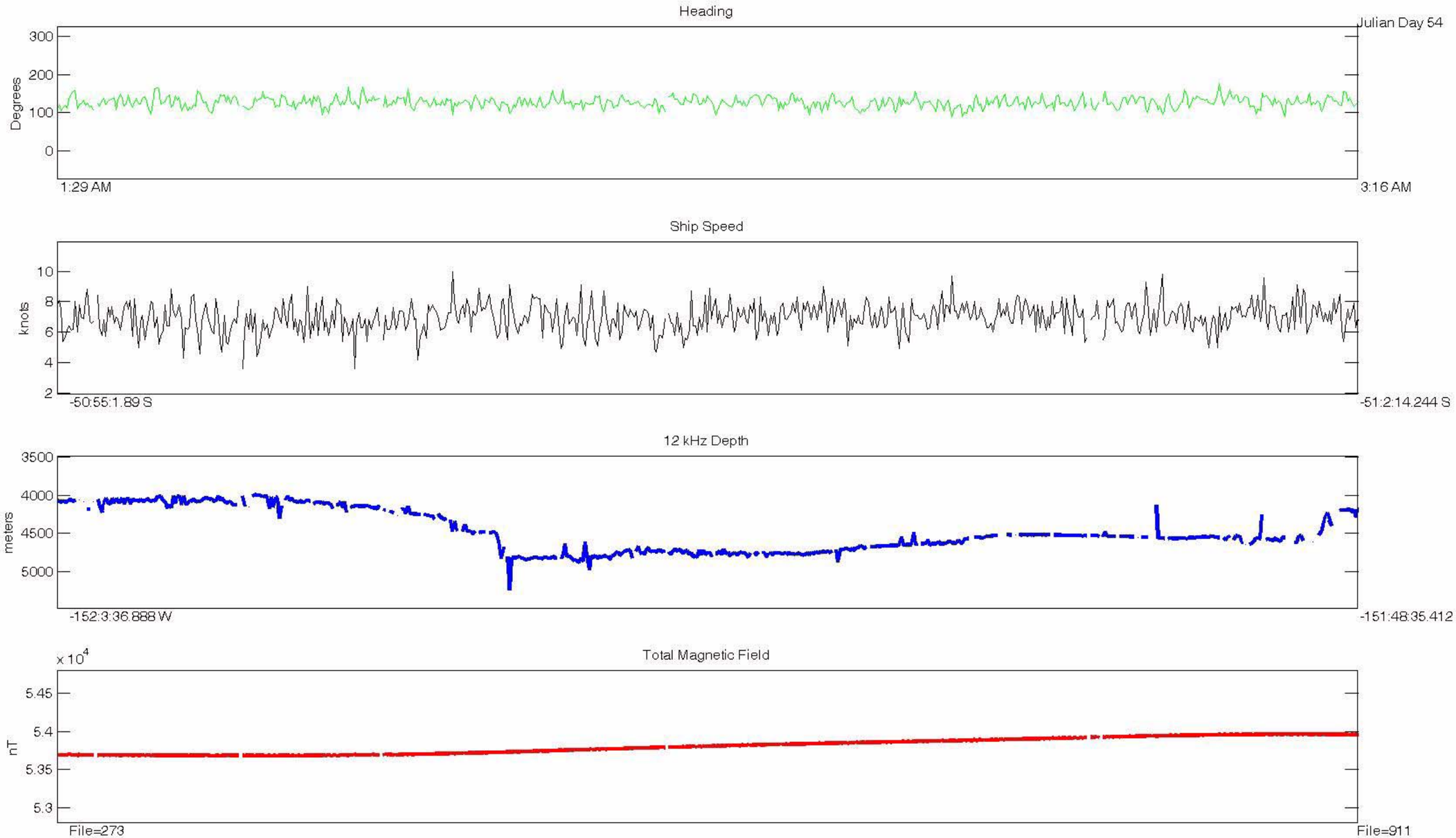
Julian Day 54
23 February 2005
150 c.i GI gun Source,
24-channel streamer

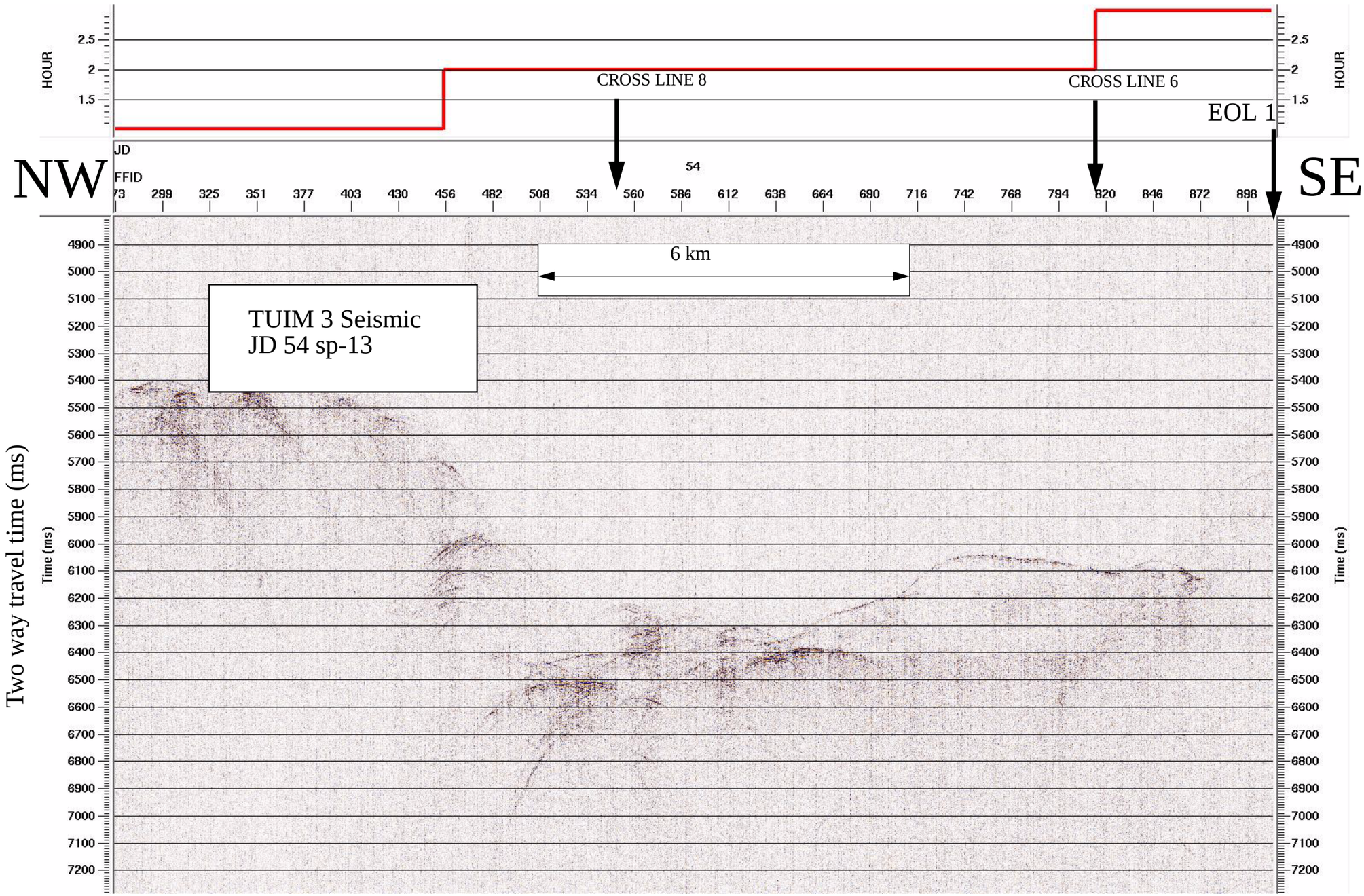
Data File SBfixavg.2005feb23.0000-0600

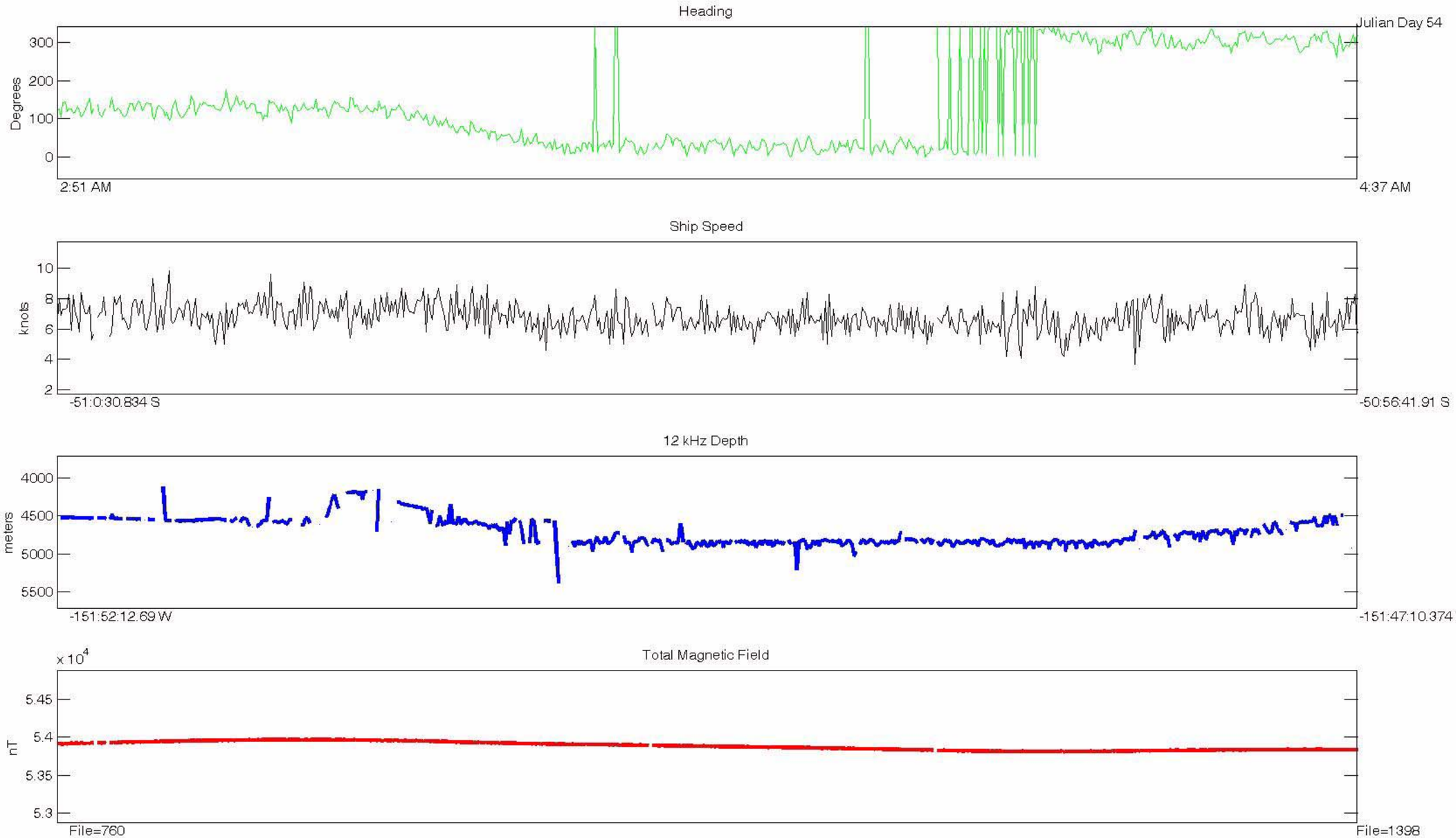


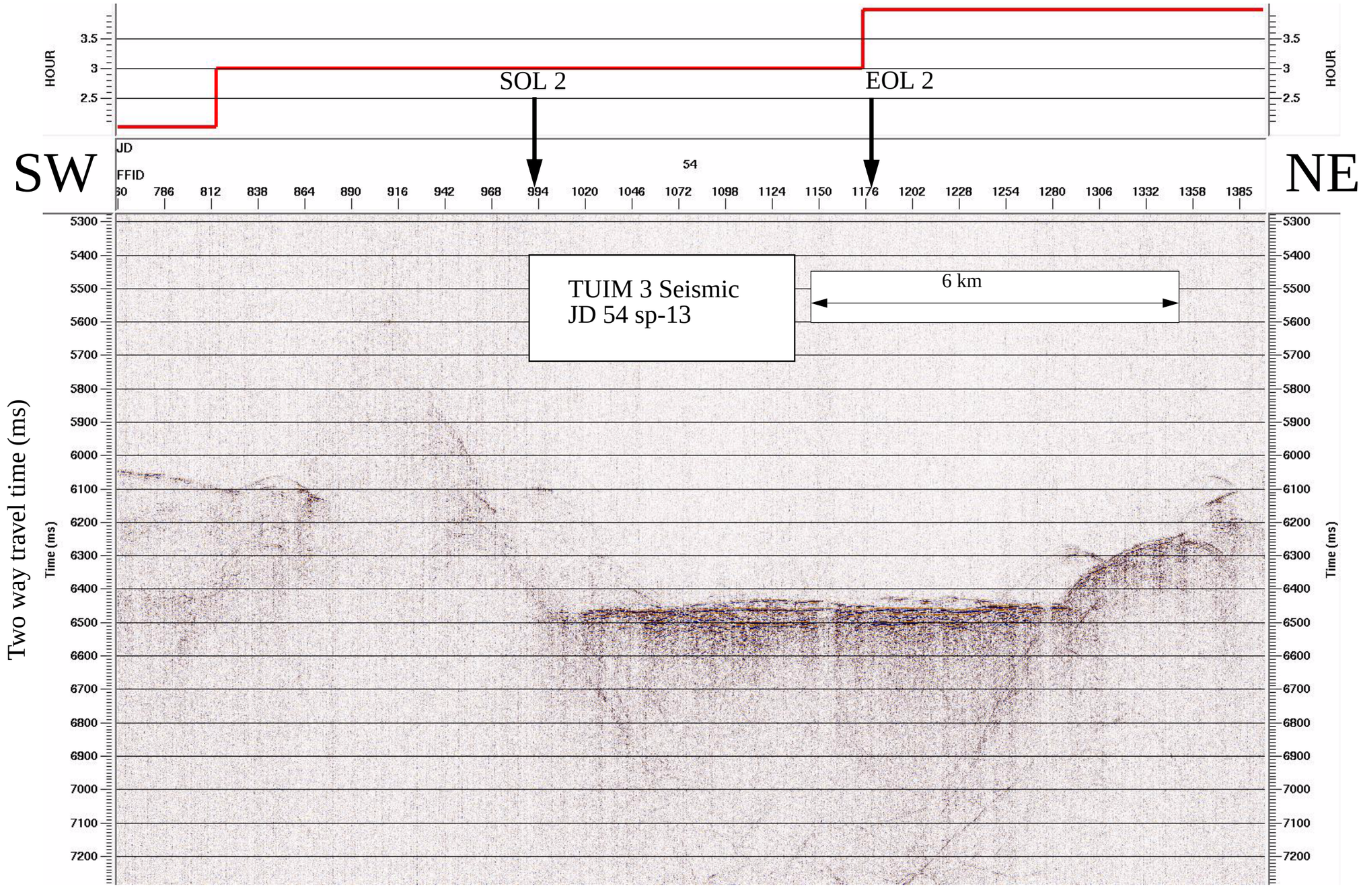

Heading
Julian Day 54
Degrees
300
200
100
0
12:44 AM
2:30 AM
Ship Speed
knots
10
8
6
4
2
-50:53:12.522 S
-50:59:3.906 S
12 kHz Depth
meters
3500
4000
4500
5000
-152:10:20.184 W
-151:55:13.11 W
x 10^4
Total Magnetic Field
nT
5.45
5.4
5.35
5.3
File=1
File=635

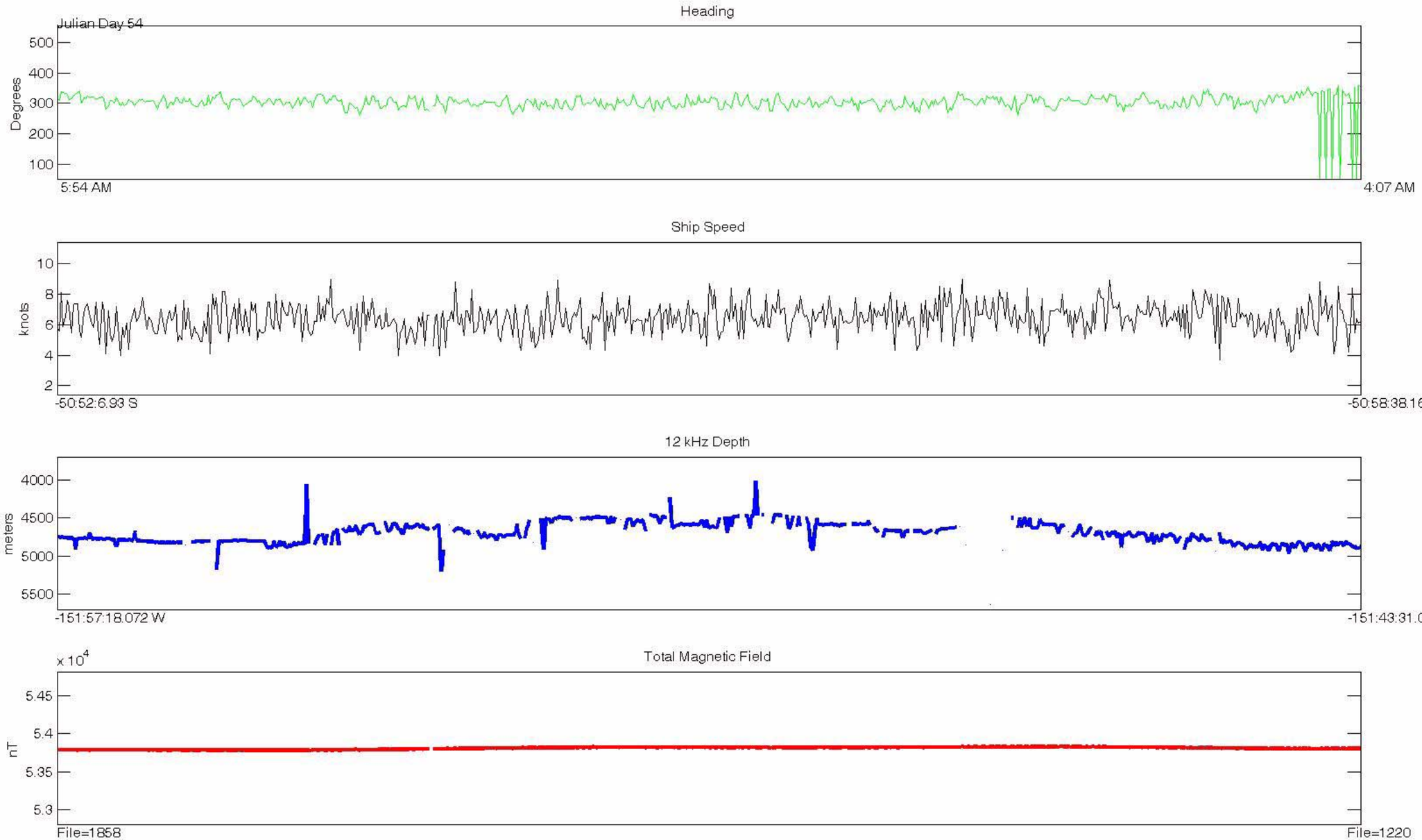

HOUR
1.5
1
0.5
SOL 1
Cross Line 8
NW
SE
JD
54
FID
23 49 75 101 127 153 179 205 231 257 283 309 335 361 387 413 439 465 491 517 543 570 596 622
6 km
TUIM 3 Seismic
JD 54 sp-13
Two way travel time (ms)
Time (ms)
4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300

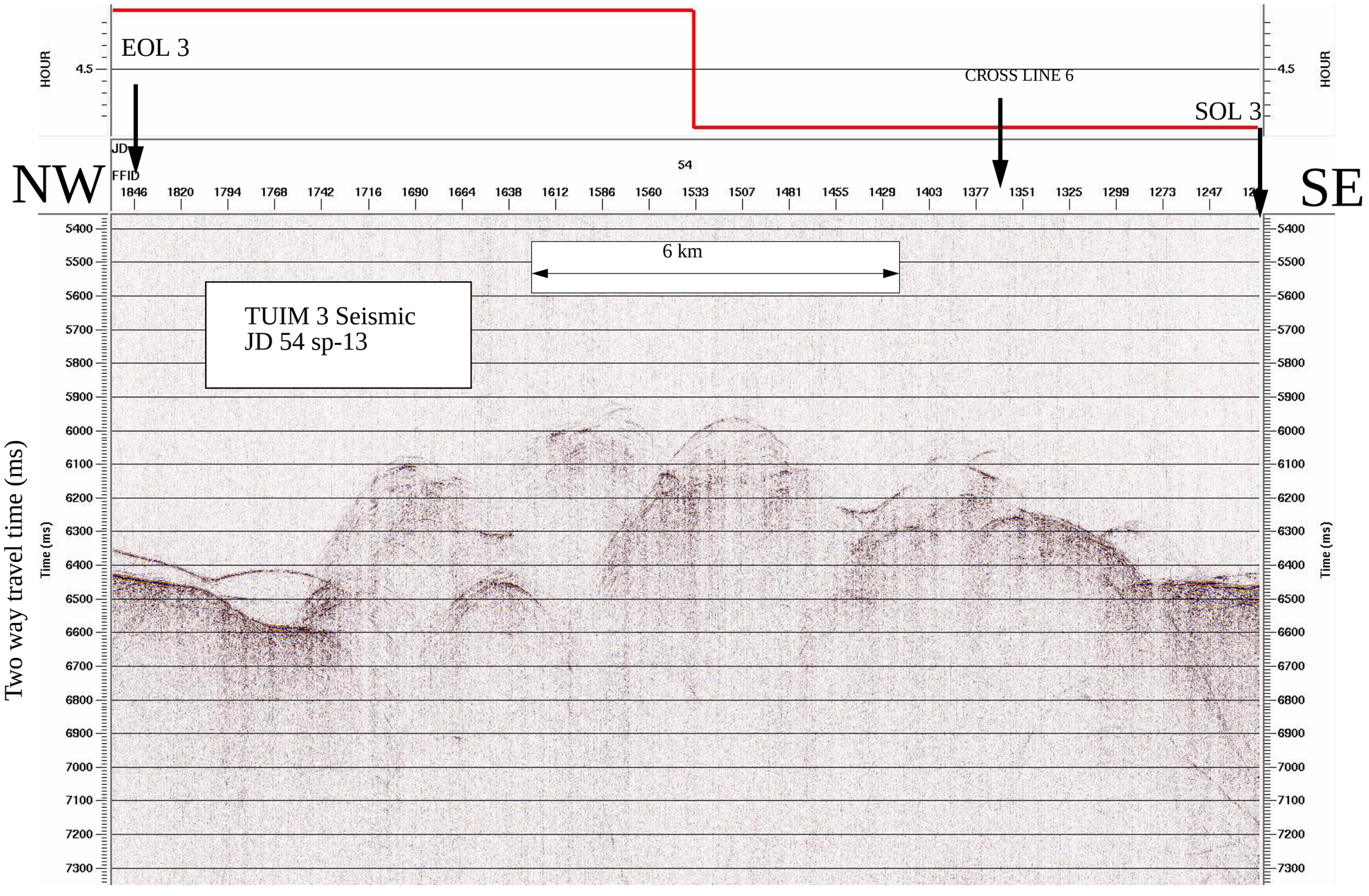

Heading
Julian Day 54
Degrees
300
200
100
0
1:29 AM
3:16 AM
Ship Speed
knots
10
8
6
4
2
-50:55:1.89 S
-51:2:14.244 S
12 kHz Depth
meters
3500
4000
4500
5000
-152:3:36.888 W
-151:48:35.412 W
x 10^4
Total Magnetic Field
nT
5.45
5.4
5.35
5.3
File=273
File=911


HOUR
2.5
2
1.5
CROSS LINE 8
CROSS LINE 6
EOL 1
NW
SE
JD
FFID
54
73 299 325 351 377 403 430 456 482 508 534 560 586 612 638 664 690 716 742 768 794 820 846 872 898
6 km
TUIM 3 Seismic
JD 54 sp-13
Two way travel time (ms)
Time (ms)
4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200

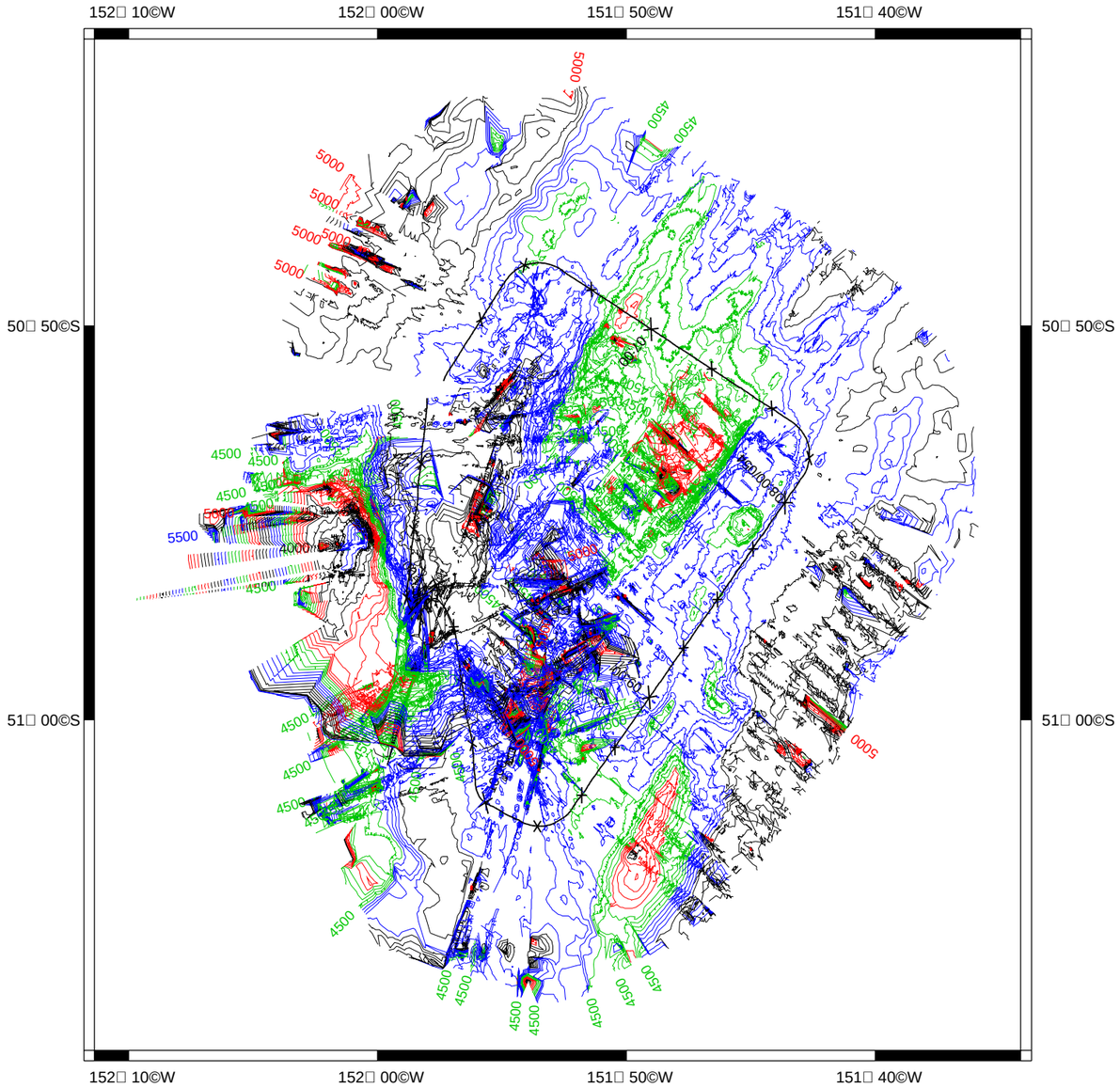

Heading
Julian Day 54
Degrees
300
200
100
0
2:51 AM
4:37 AM
Ship Speed
knots
10
8
6
4
2
-51:0:30.834 S
-50:56:41.91 S
12 kHz Depth
meters
4000
4500
5000
5500
-151:52:12.69 W
-151:47:10.374 W
x 10^4
Total Magnetic Field
nT
5.45
5.4
5.35
5.3
File=760
File=1398

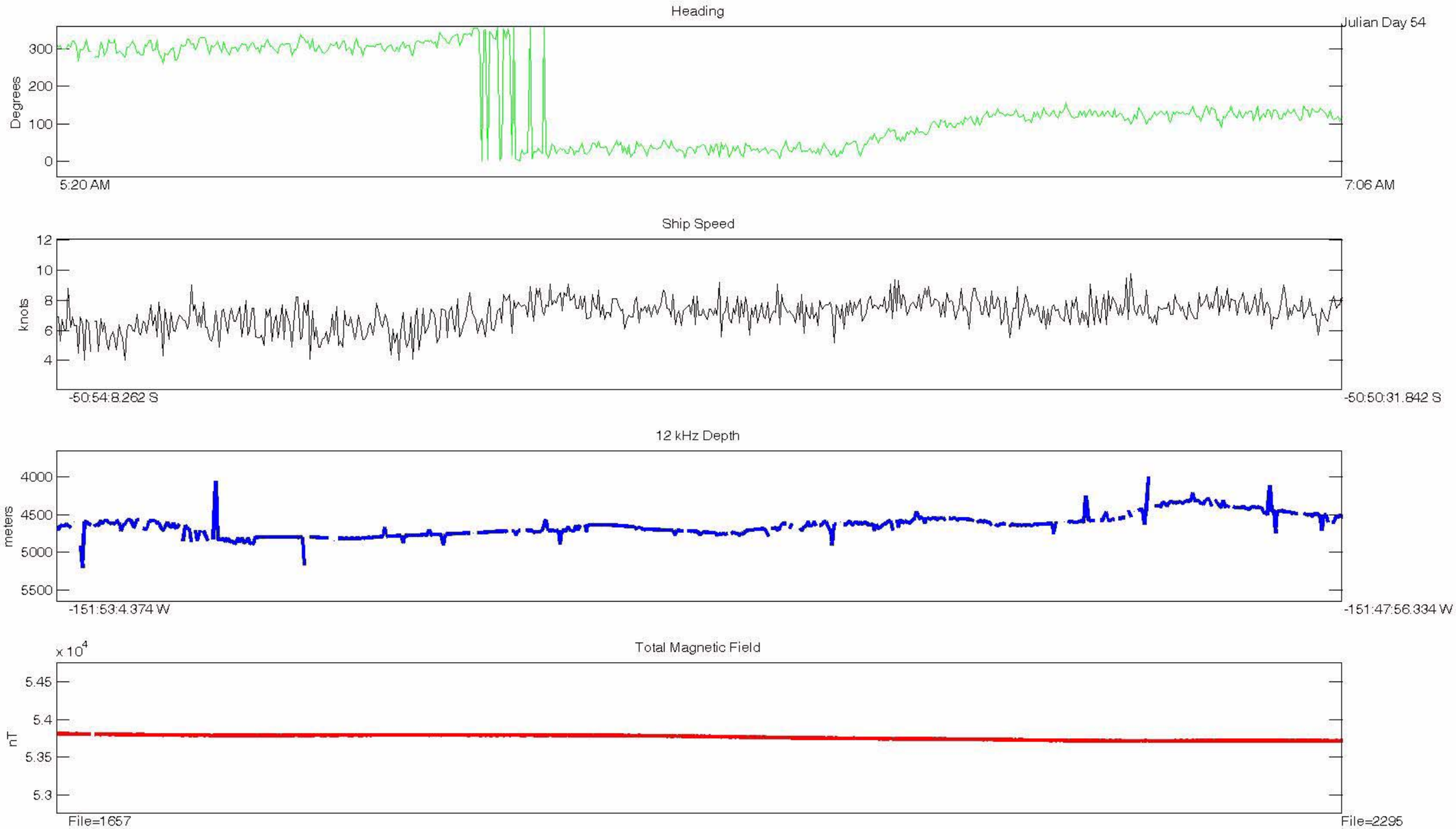

SOL 2
EOL 2
HOUR
JD
FFID
54
SW
NE
TUIM 3 Seismic
JD 54 sp-13
6 km
Time (ms)
Two way travel time (ms)

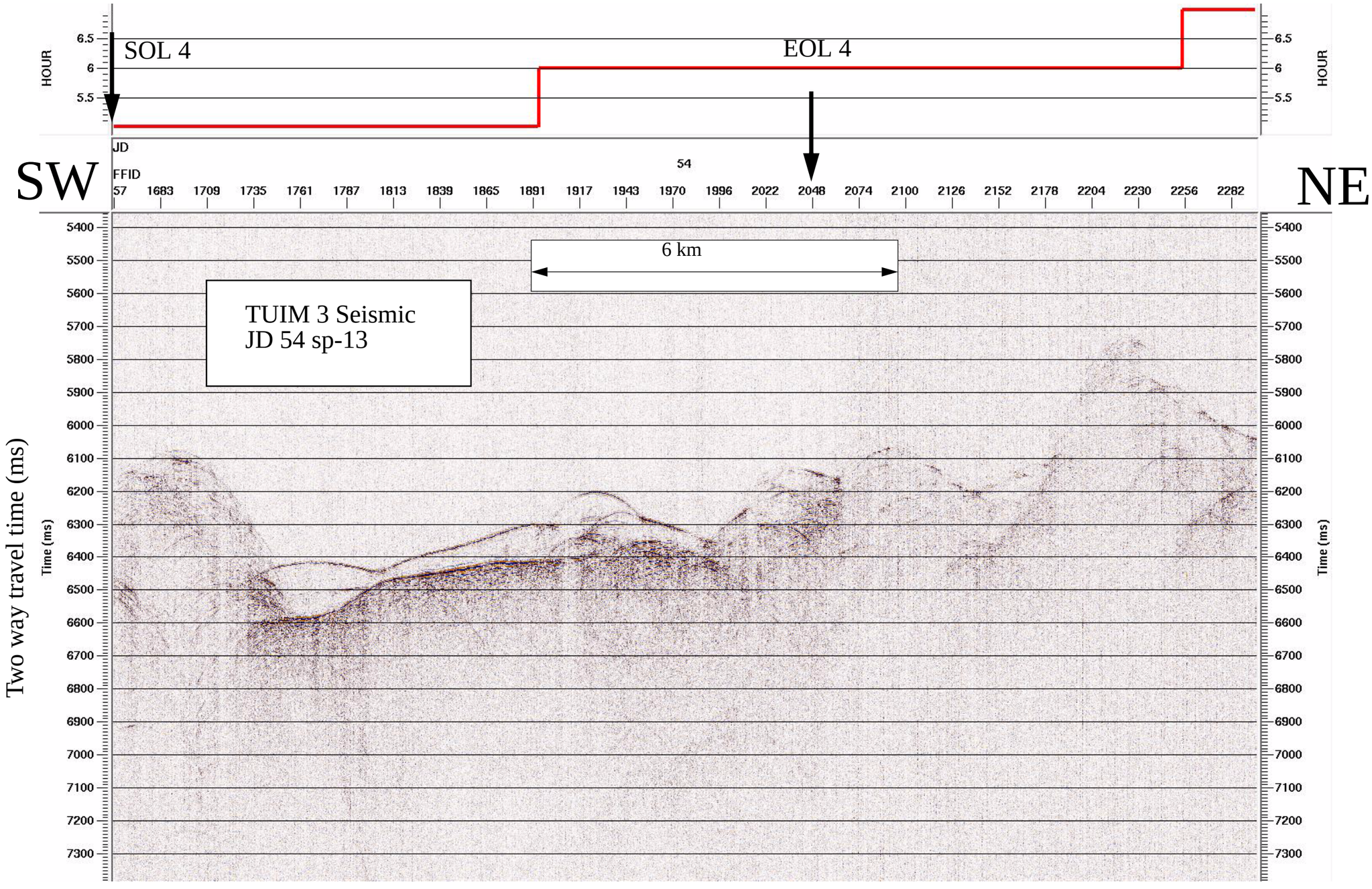

Heading
Julian Day 54
Degrees
500
400
300
200
100
5:54 AM
4:07 AM
Ship Speed
knots
10
8
6
4
2
-50:52:6.93 S
-50:58:38.166 S
12 kHz Depth
meters
4000
4500
5000
5500
-151:57:18.072 W
-151:43:31.014 W
x 10^4
Total Magnetic Field
nT
5.45
5.4
5.35
5.3
File=1858
File=1220

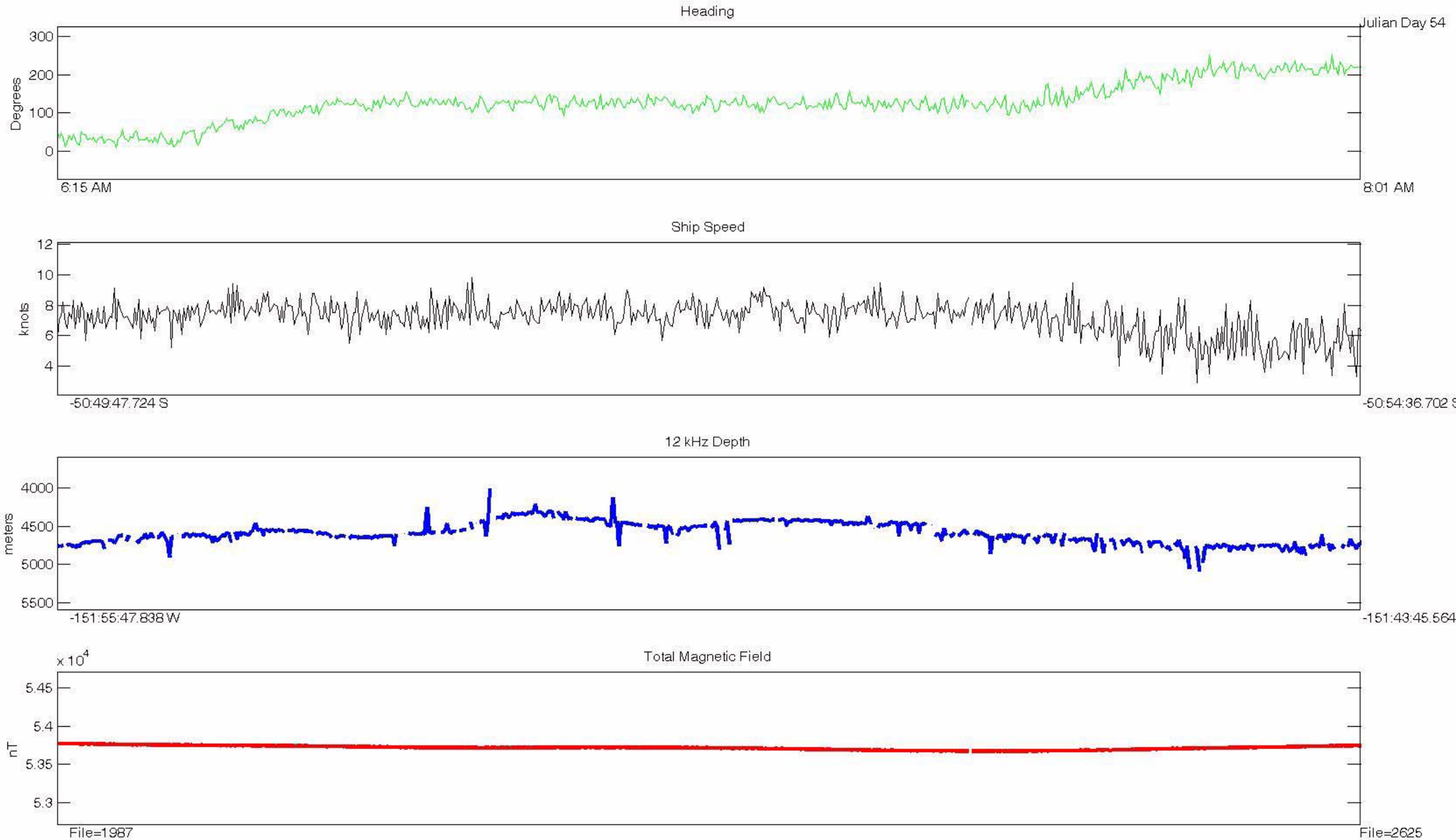

EOL 3
CROSS LINE 6
SOL 3
NW
SE
HOUR
4.5
JD
54
FFID
1846 1820 1794 1768 1742 1716 1690 1664 1638 1612 1586 1560 1533 1507 1481 1455 1429 1403 1377 1351 1325 1299 1273 1247
6 km
TUIM 3 Seismic
JD 54 sp-13
Two way travel time (ms)
Time (ms)
5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300

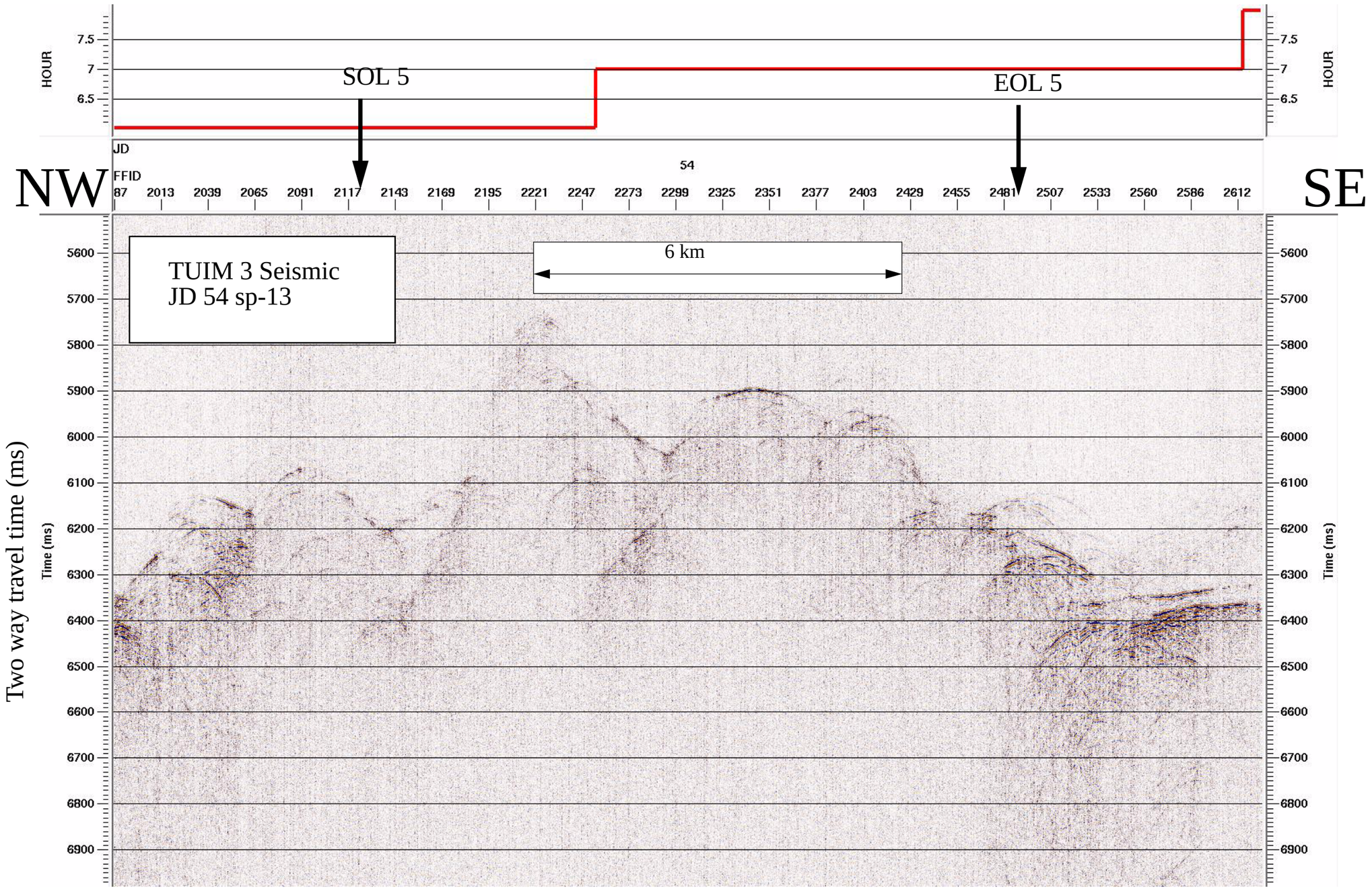
Data File SBfixavg.2005feb23.0600-1200

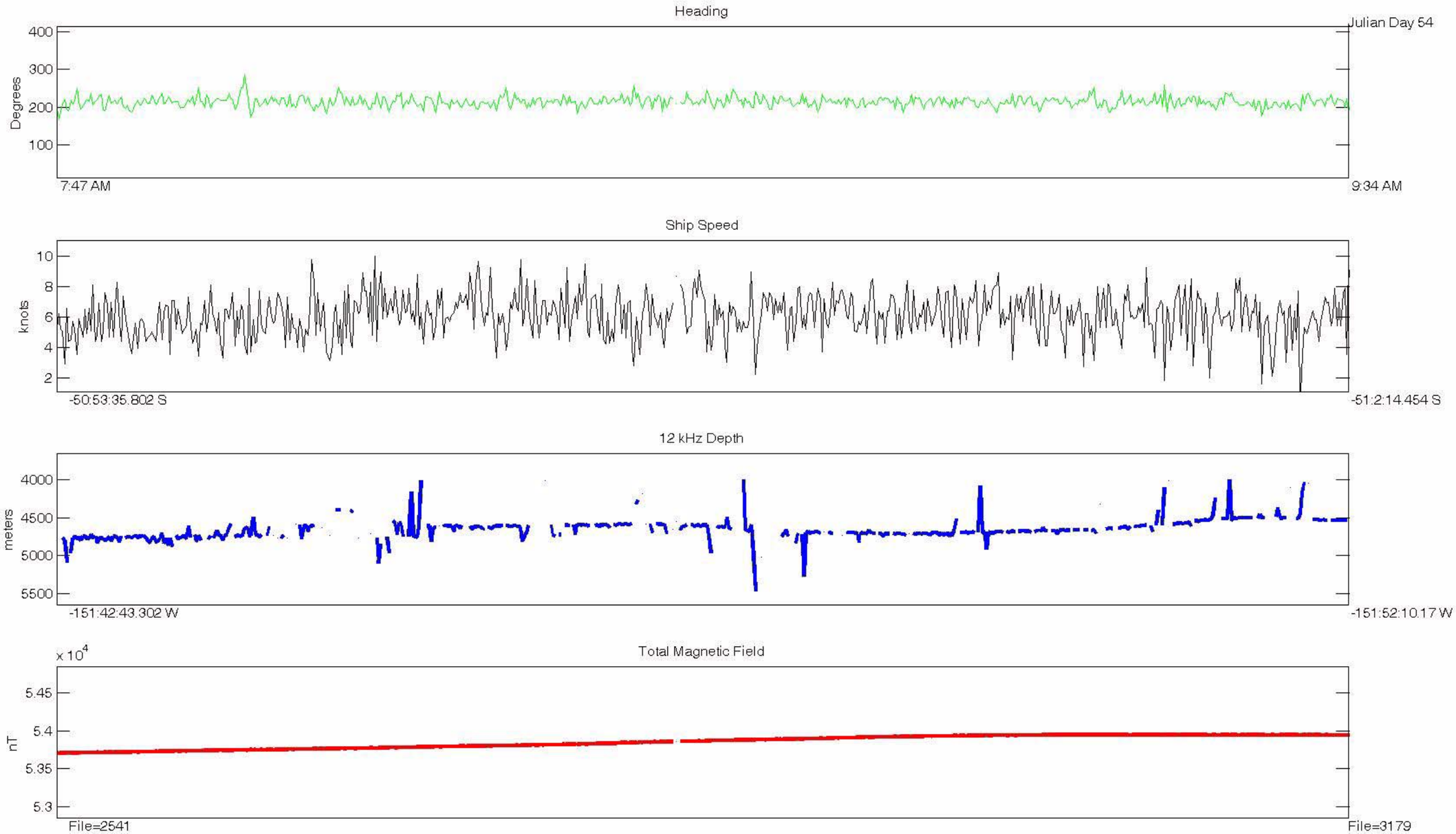


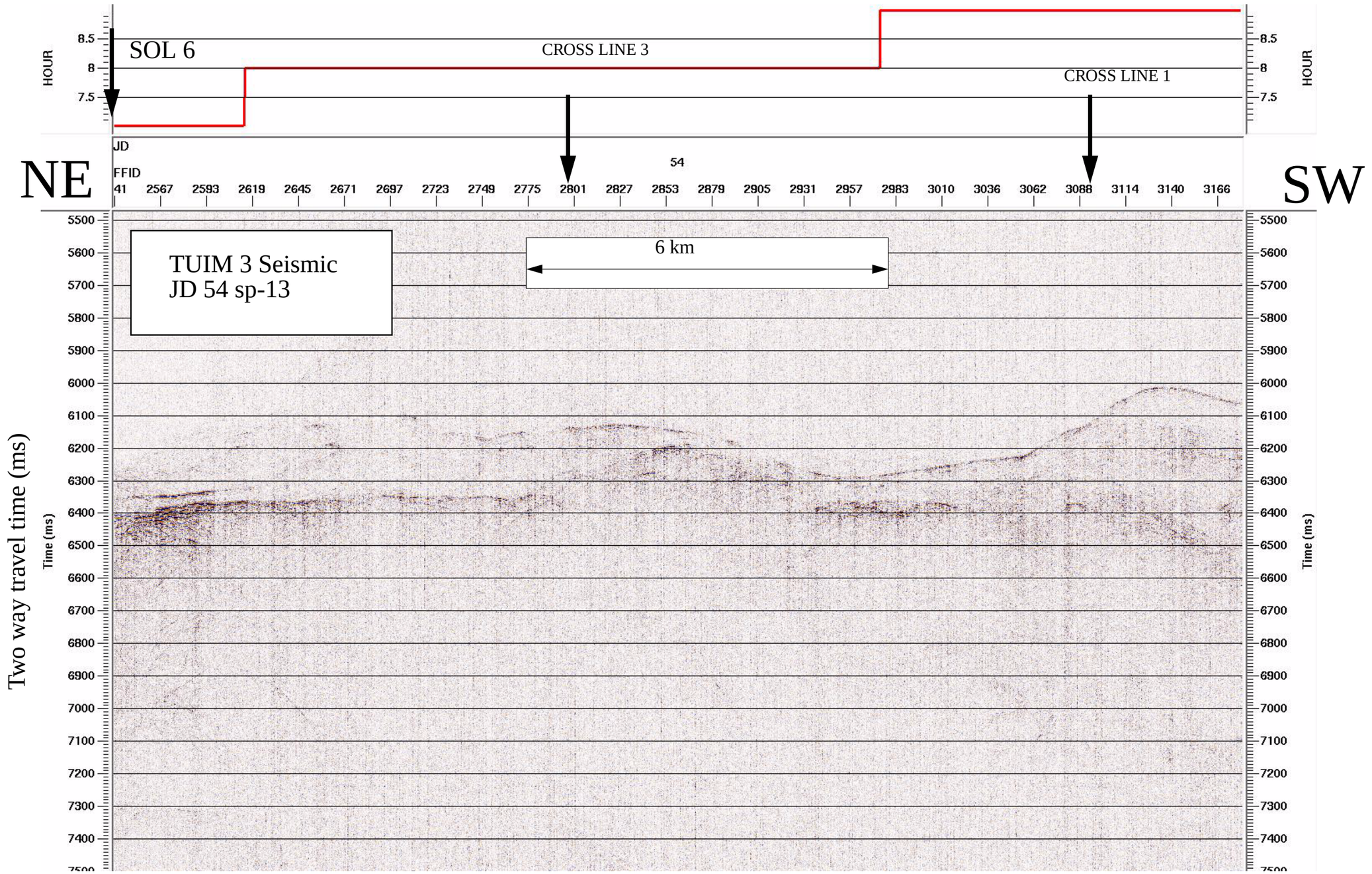

Heading
Julian Day 54
Degrees
300
200
100
0
5:20 AM
7:06 AM
Ship Speed
knots
12
10
8
6
4
-50:54:8.262 S
-50:50:31.842 S
12 kHz Depth
meters
4000
4500
5000
5500
-151:53:4.374 W
-151:47:56.334 W
Total Magnetic Field
x 10^4
nT
5.45
5.4
5.35
5.3
File=1657
File=2295

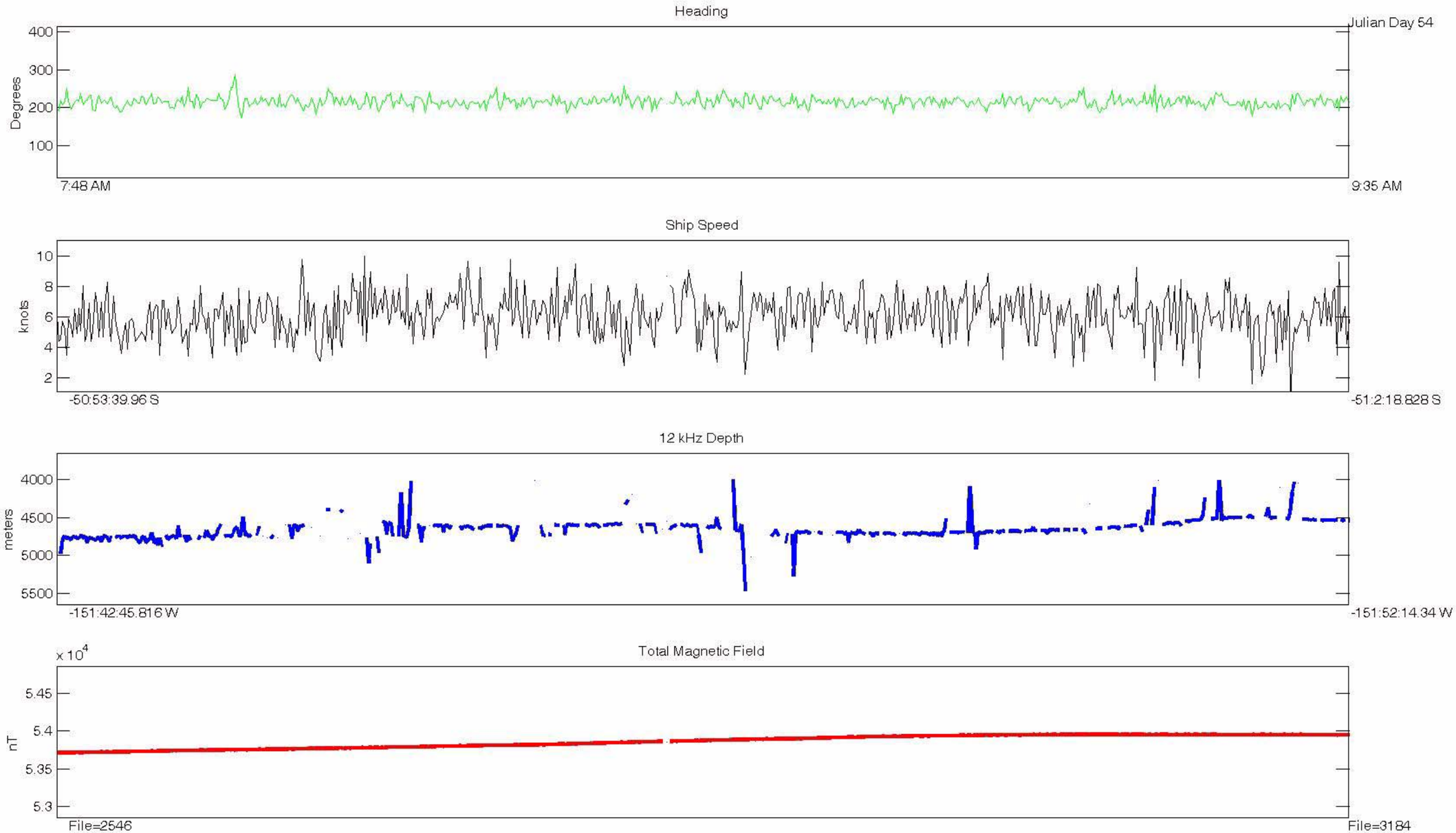

SOL 4
EOL 4
HOUR
6.5
6
5.5
JD
54
FFID
57 1683 1709 1735 1761 1787 1813 1839 1865 1891 1917 1943 1970 1996 2022 2048 2074 2100 2126 2152 2178 2204 2230 2256 2282
SW
NE
6 km
TUIM 3 Seismic
JD 54 sp-13
Two way travel time (ms)
Time (ms)
5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300

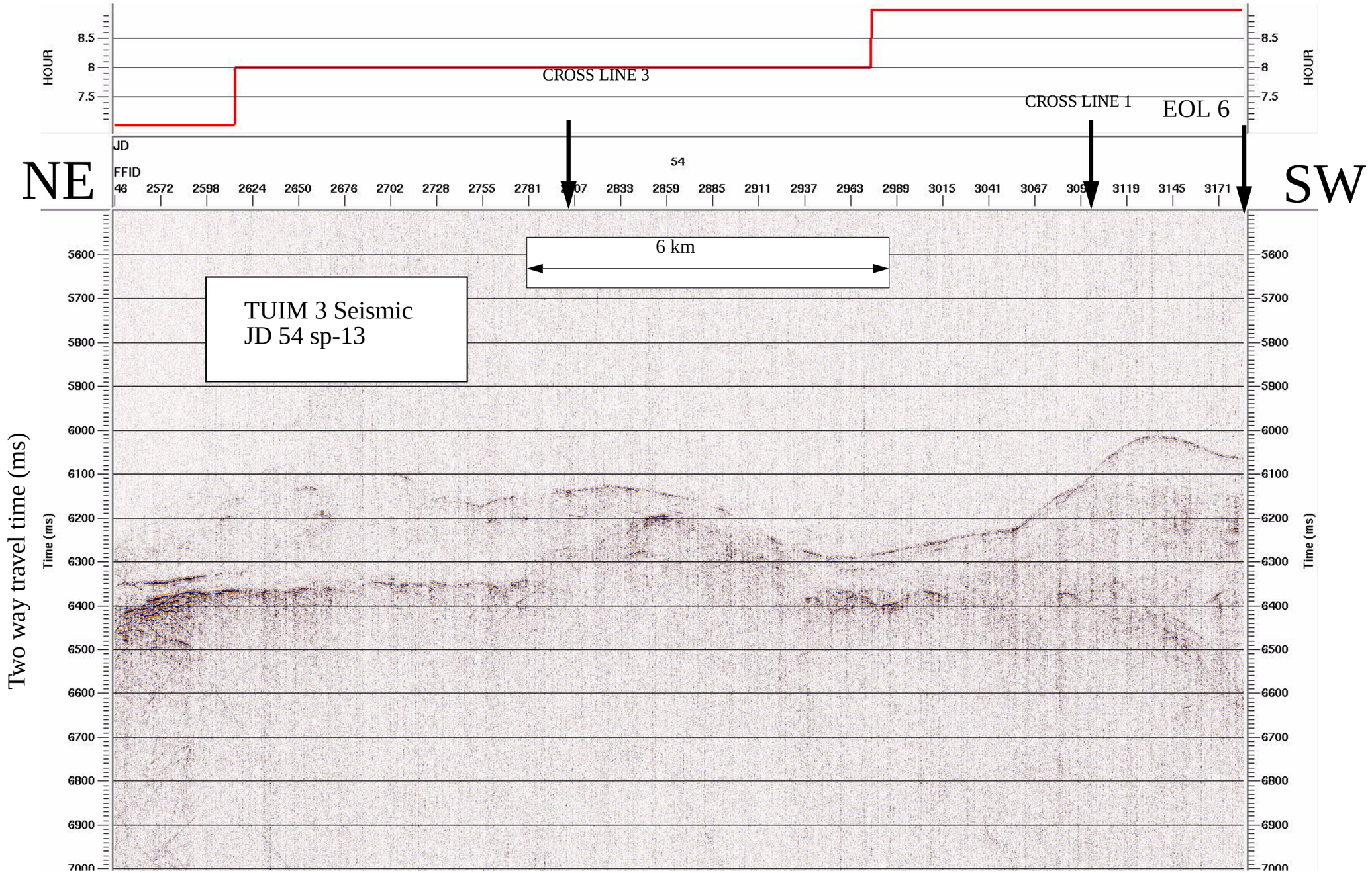

Heading
Julian Day 54
Degrees
300
200
100
0
6:15 AM
8:01 AM
Ship Speed
knots
12
10
8
6
4
-50:49:47.724 S
-50:54:36.702 S
12 kHz Depth
meters
4000
4500
5000
5500
-151:55:47.838 W
-151:43:45.564 W
Total Magnetic Field
x 10^4
nT
5.45
5.4
5.35
5.3
File=1987
File=2625

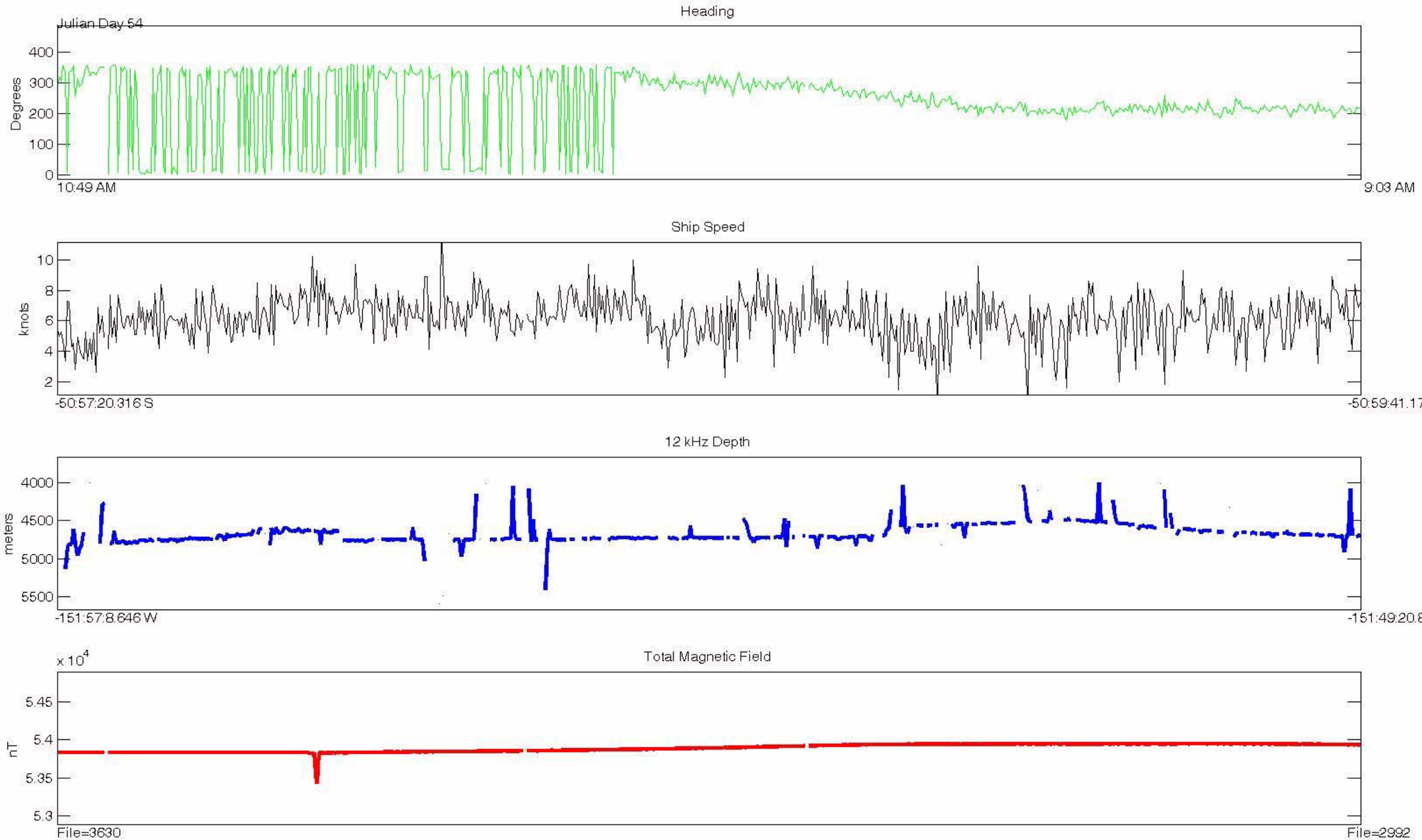

HOUR
7.5
7
6.5
SOL 5
EOL 5
NW
SE
JD
54
FFID
87 2013 2039 2065 2091 2117 2143 2169 2195 2221 2247 2273 2299 2325 2351 2377 2403 2429 2455 2481 2507 2533 2560 2586 2612
TUIM 3 Seismic
JD 54 sp-13
6 km
Two way travel time (ms)
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900

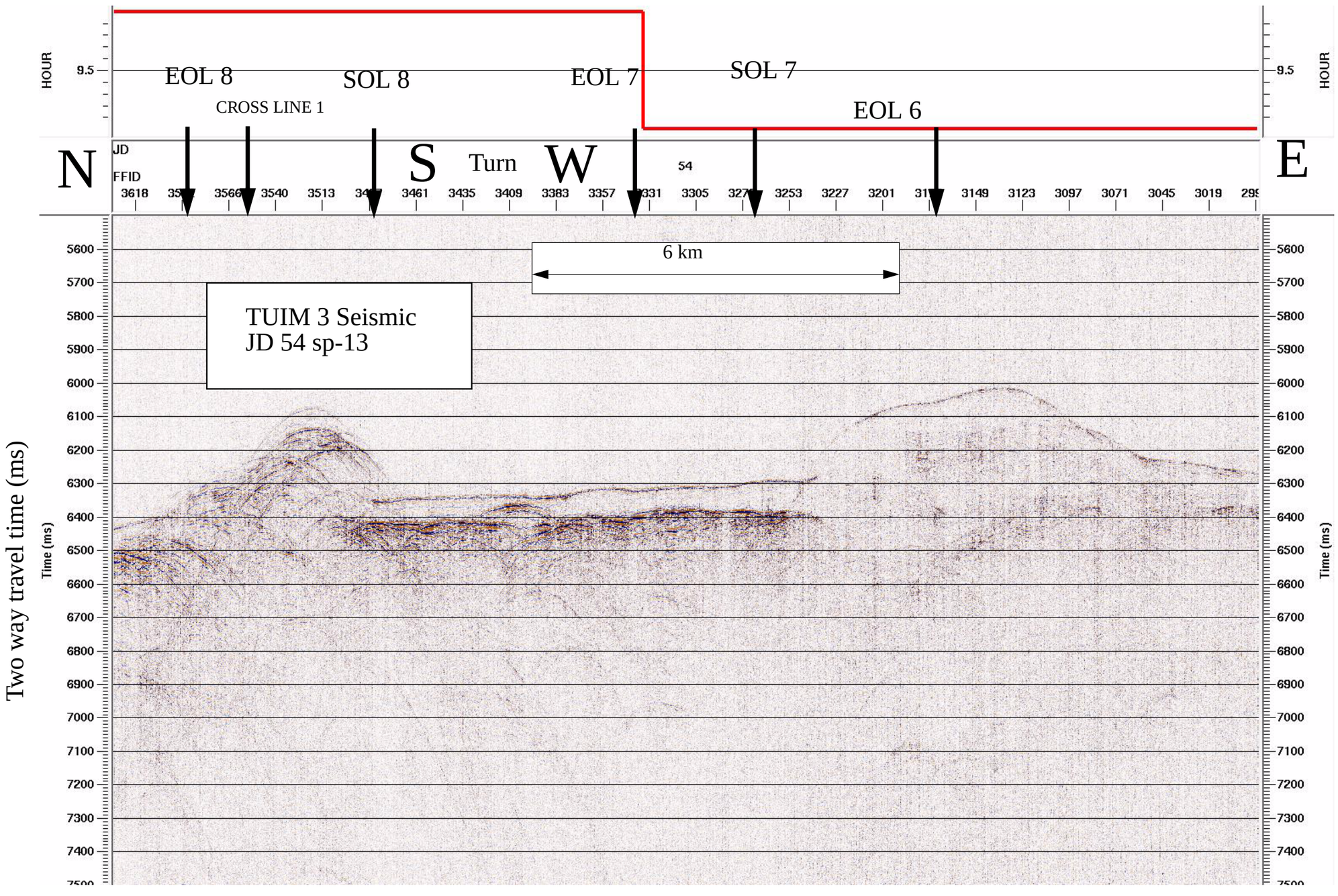

Heading
Julian Day 54
400
300
200
100
Degrees
7:47 AM
9:34 AM
Ship Speed
10
8
6
4
2
knots
-50:53:35.802 S
-51:2:14.454 S
12 kHz Depth
4000
4500
5000
5500
meters
-151:42:43.302 W
-151:52:10.17 W
x 10^4
Total Magnetic Field
5.45
5.4
5.35
5.3
nT
File=2541
File=3179

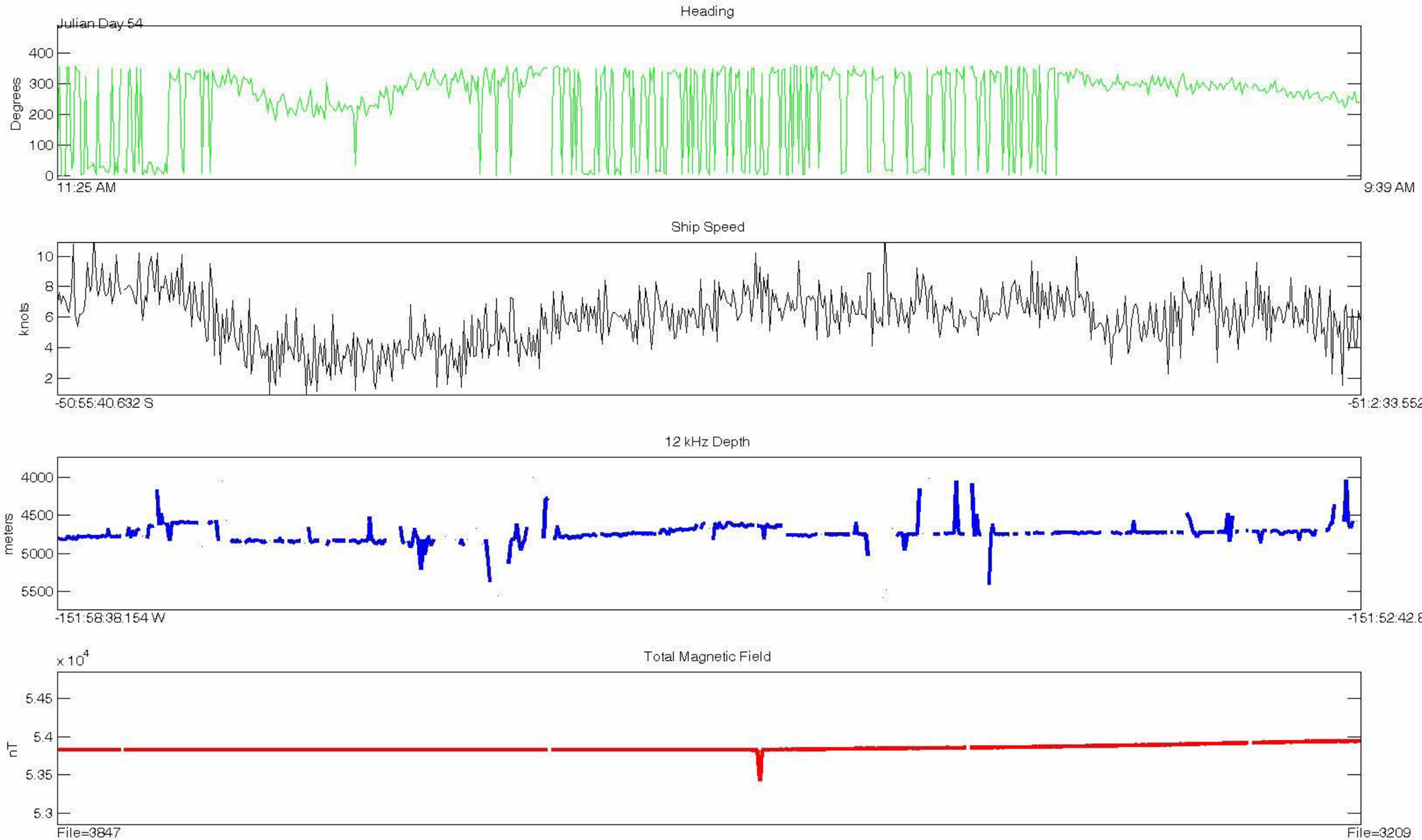

SOL 6
CROSS LINE 3
CROSS LINE 1
HOUR
8.5
8
7.5
JD
54
FFID
41 2567 2593 2619 2645 2671 2697 2723 2749 2775 2801 2827 2853 2879 2905 2931 2957 2983 3010 3036 3062 3088 3114 3140 3166
NE
SW
TUIM 3 Seismic
JD 54 sp-13
6 km
Two way travel time (ms)
Time (ms)
5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400

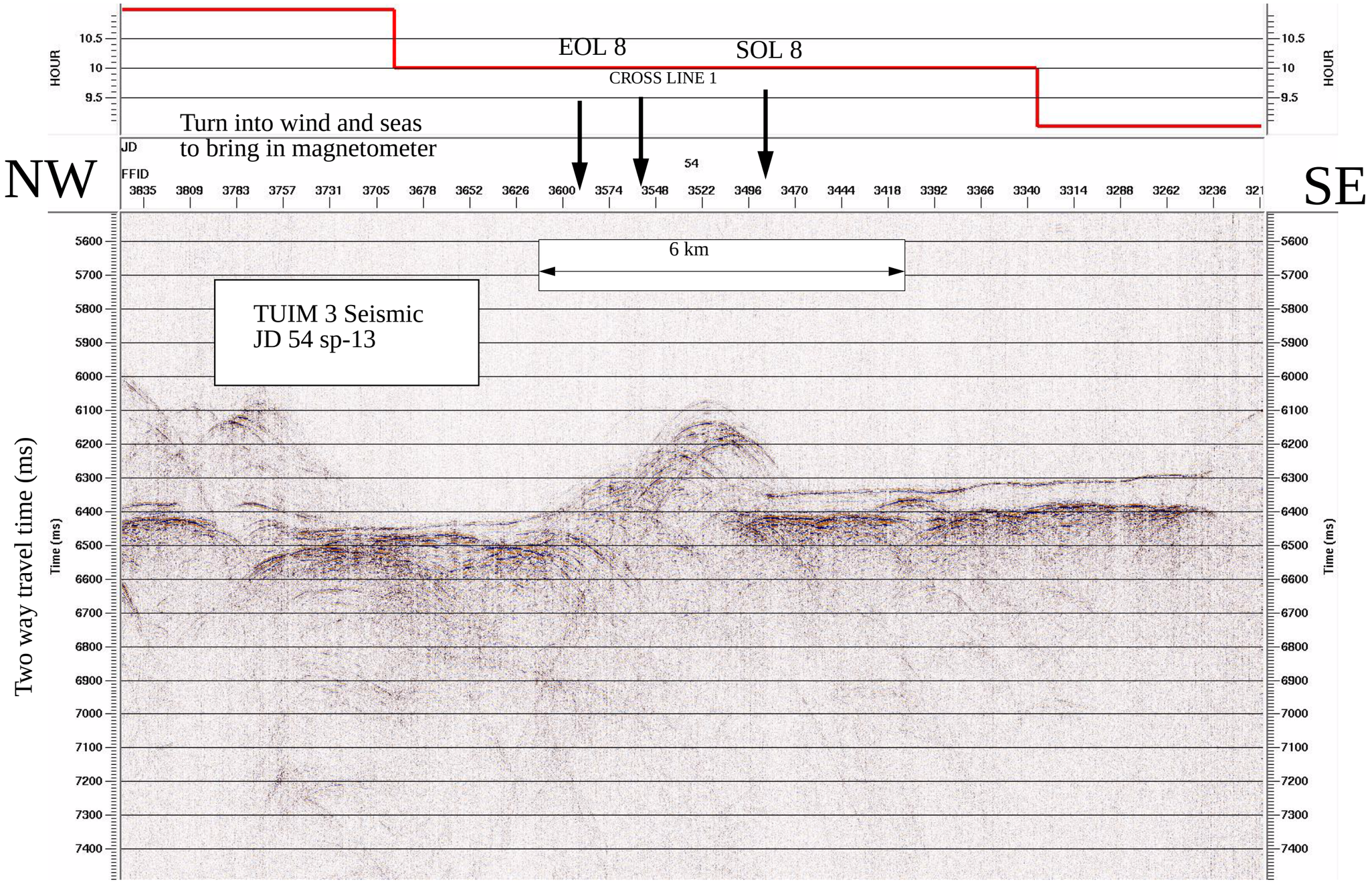

Heading
Julian Day 54
400
300
200
100
Degrees
7:48 AM
9:35 AM
Ship Speed
10
8
6
4
2
knots
-50:53:39.96 S
-51:2:18.828 S
12 kHz Depth
4000
4500
5000
5500
meters
-151:42:45.816 W
-151:52:14.34 W
x 10^4
Total Magnetic Field
5.45
5.4
5.35
5.3
nT
File=2546
File=3184


HOUR
8.5
8
7.5
CROSS LINE 3
CROSS LINE 1
EOL 6
NE
SW
JD
54
FFID
46 2572 2598 2624 2650 2676 2702 2728 2755 2781 2807 2833 2859 2885 2911 2937 2963 2989 3015 3041 3067 3093 3119 3145 3171
6 km
TUIM 3 Seismic
JD 54 sp-13
Two way travel time (ms)
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000

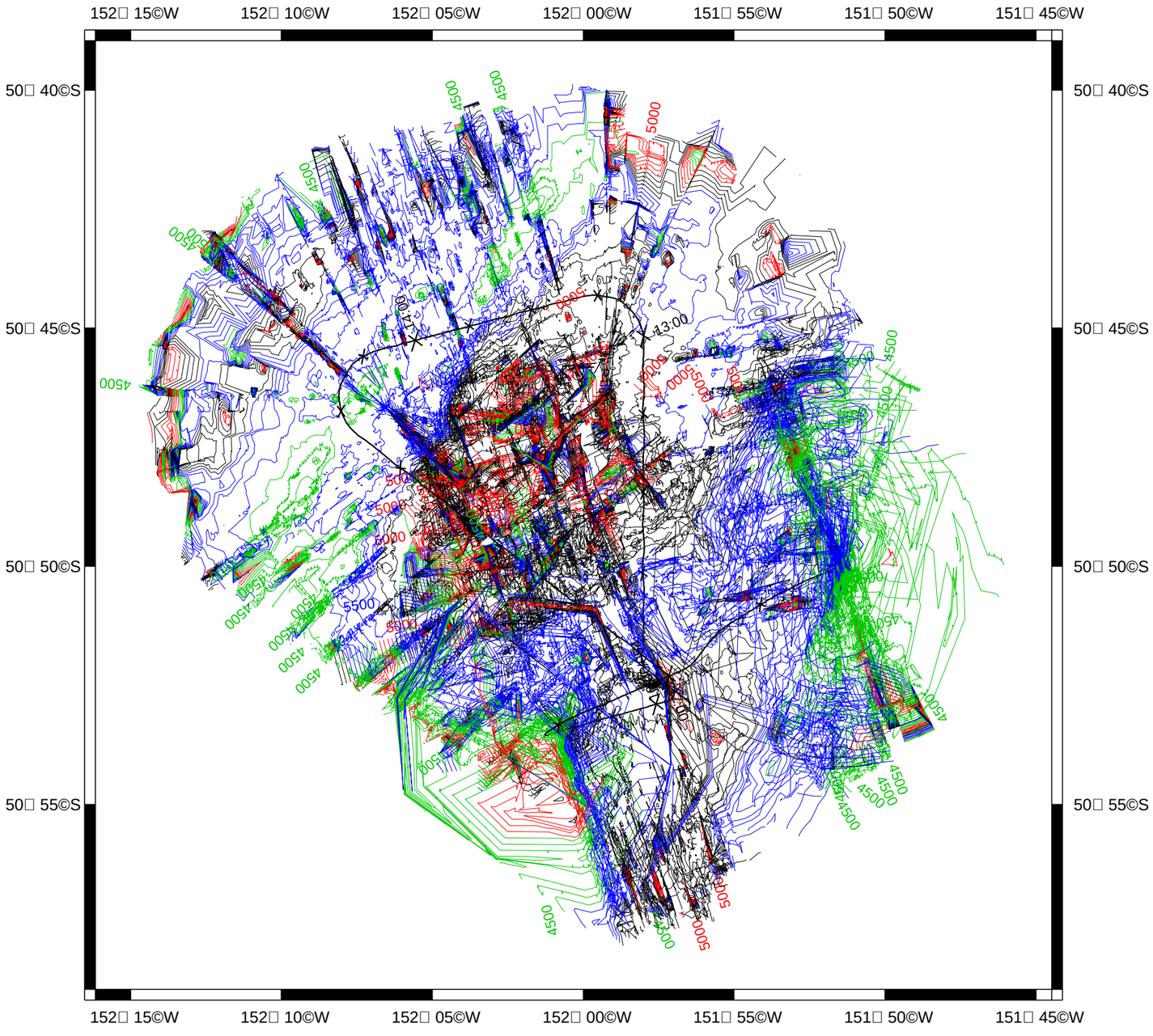

Heading
Julian Day 54
Degrees
400
300
200
100
0
10:49 AM
9:03 AM
Ship Speed
knots
10
8
6
4
2
-50:57:20.316 S
-50:59:41.172 S
12 kHz Depth
meters
4000
4500
5000
5500
-151:57:8.646 W
-151:49:20.892 W
x 10^4
Total Magnetic Field
nT
5.45
5.4
5.35
5.3
File=3630
File=2992

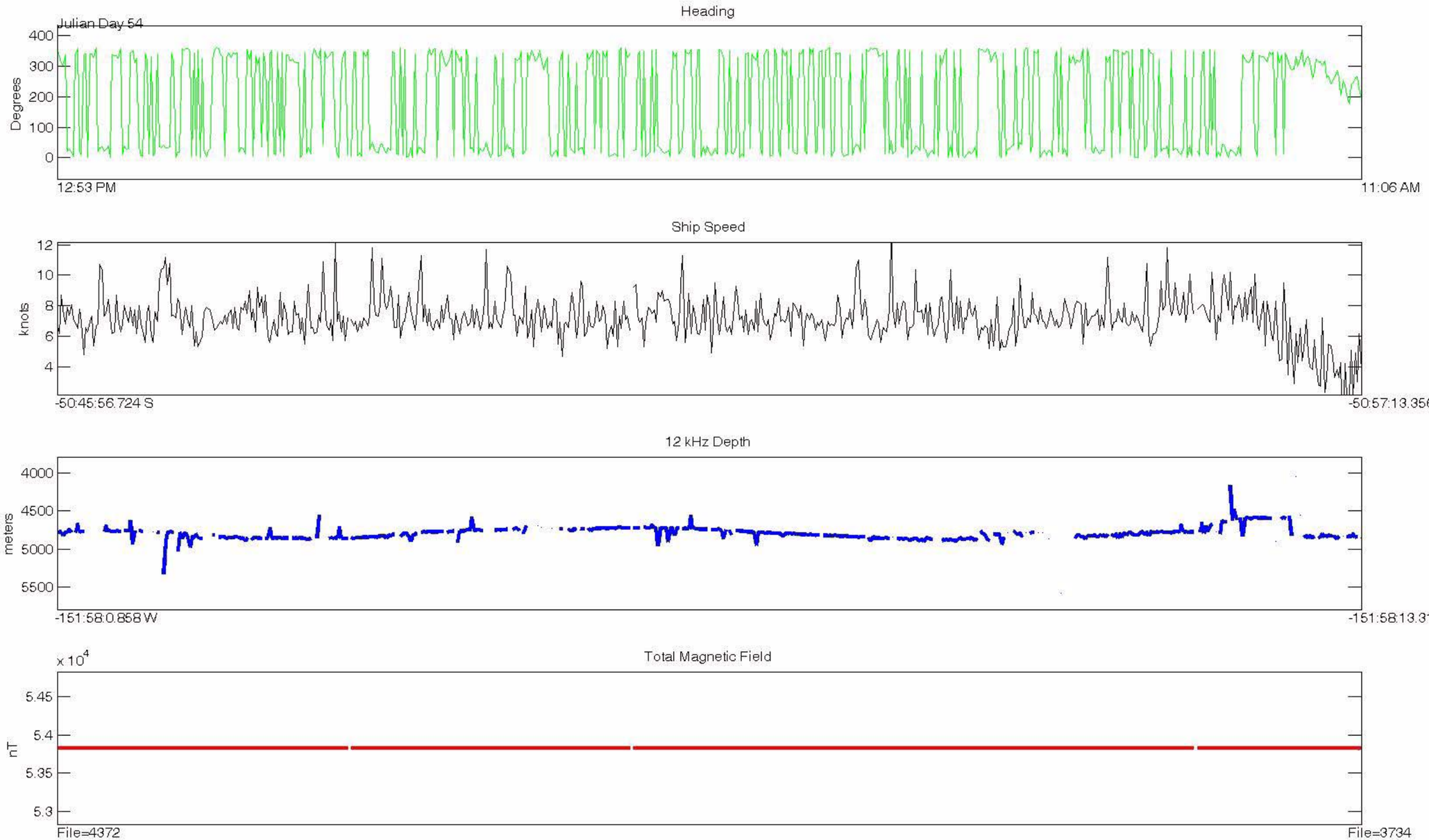

HOUR
9.5
EOL 8
SOL 8
EOL 7
SOL 7
EOL 6
CROSS LINE 1
N
S
Turn
W
E
JD
54
FFID
3618
3566
3540
3513
3461
3435
3409
3383
3357
3331
3305
3279
3253
3227
3201
3175
3149
3123
3097
3071
3045
3019
6 km
TUIM 3 Seismic
JD 54 sp-13
Two way travel time (ms)
Time (ms)
5600
5700
5800
5900
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400

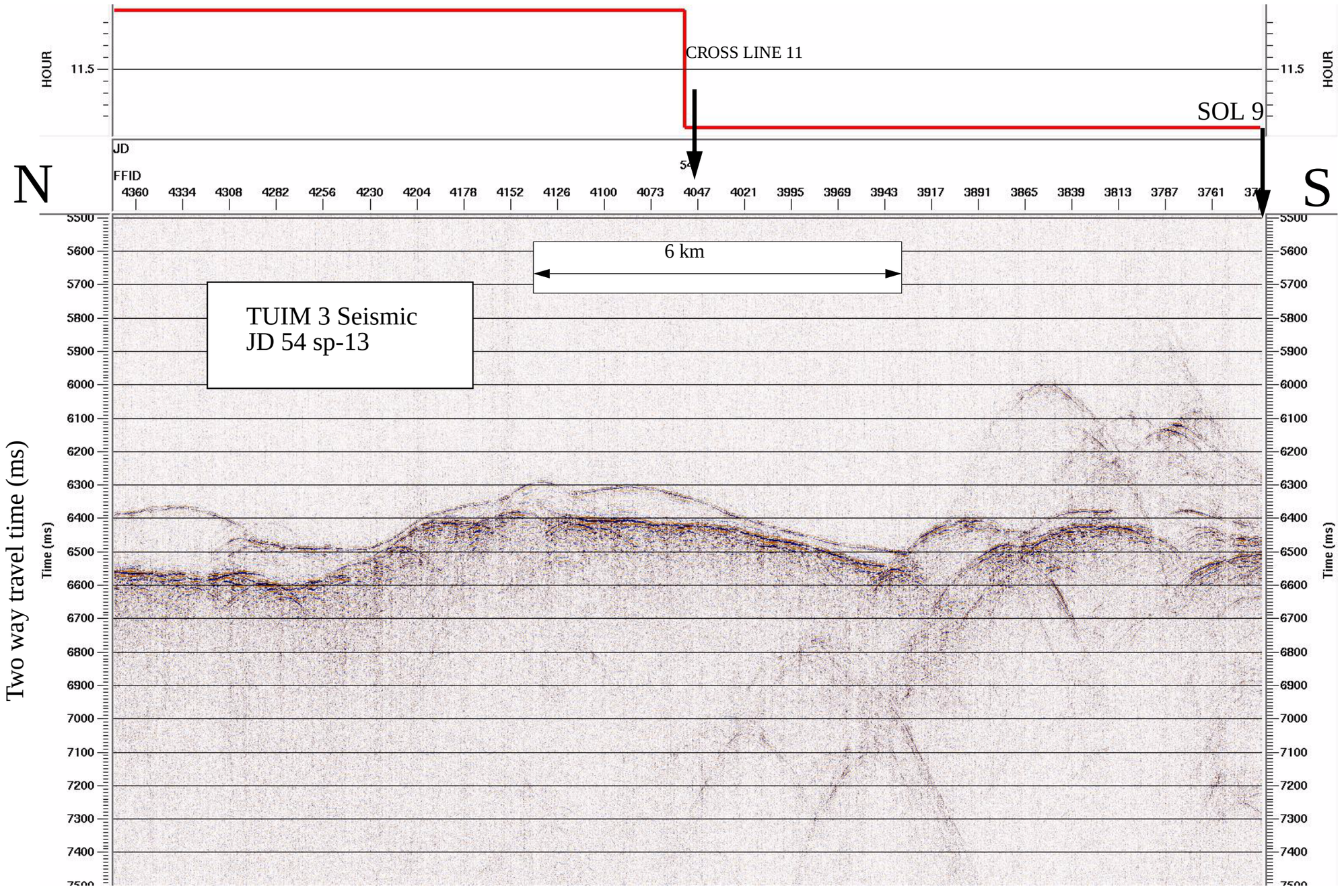

Heading
Julian Day 54
Degrees
400
300
200
100
0
11:25 AM
9:39 AM
Ship Speed
knots
10
8
6
4
2
-50:55:40.632 S
-51:2:33.552 S
12 kHz Depth
meters
4000
4500
5000
5500
-151:58:38.154 W
-151:52:42.876 W
x 10^4
Total Magnetic Field
nT
5.45
5.4
5.35
5.3
File=3847
File=3209

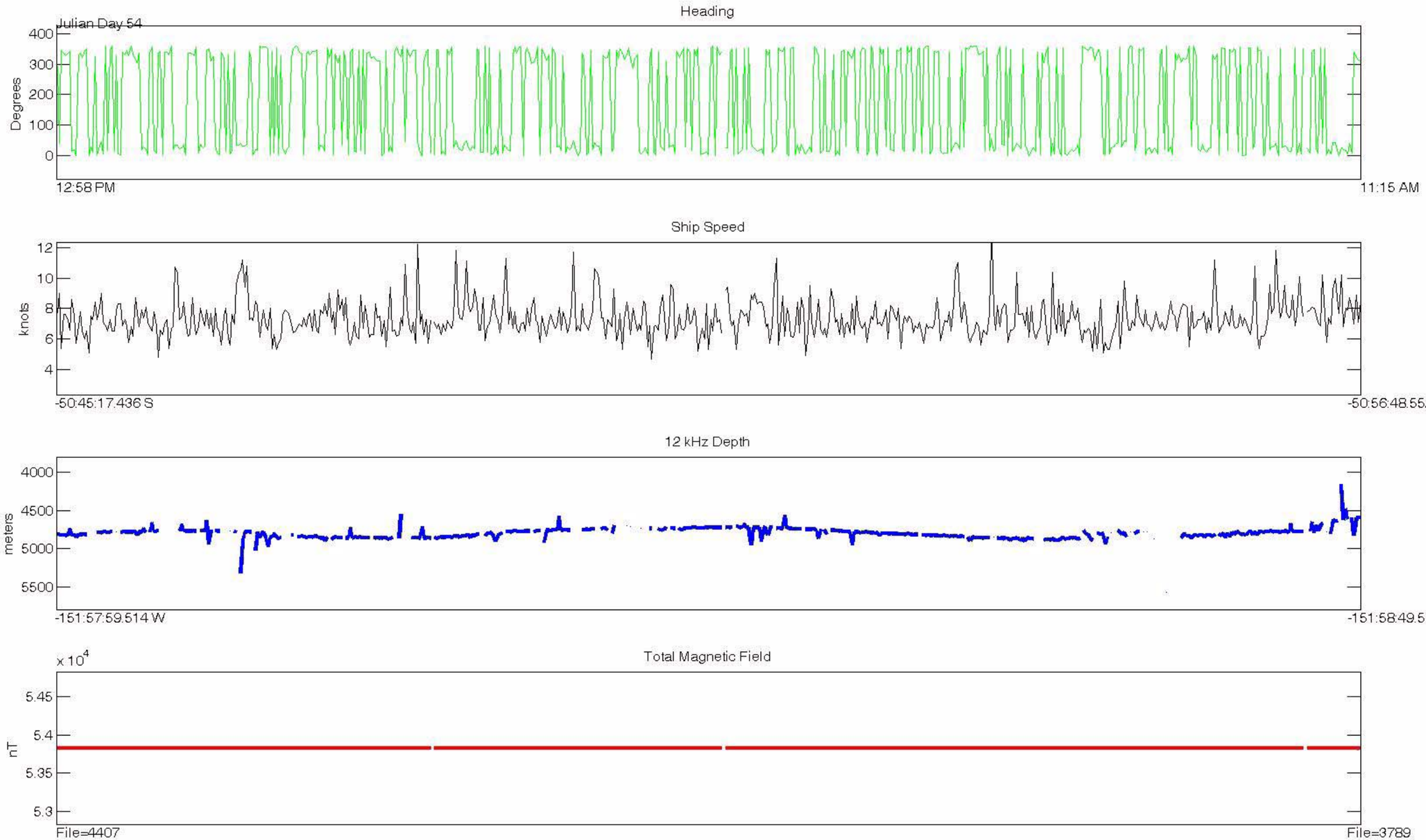

HOUR
10.5
10
9.5
EOL 8
SOL 8
CROSS LINE 1
Turn into wind and seas
to bring in magnetometer
NW
SE
JD
54
FFID
3835 3809 3783 3757 3731 3705 3678 3652 3626 3600 3574 3548 3522 3496 3470 3444 3418 3392 3366 3340 3314 3288 3262 3236 321
6 km
TUIM 3 Seismic
JD 54 sp-13
Two way travel time (ms)
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400

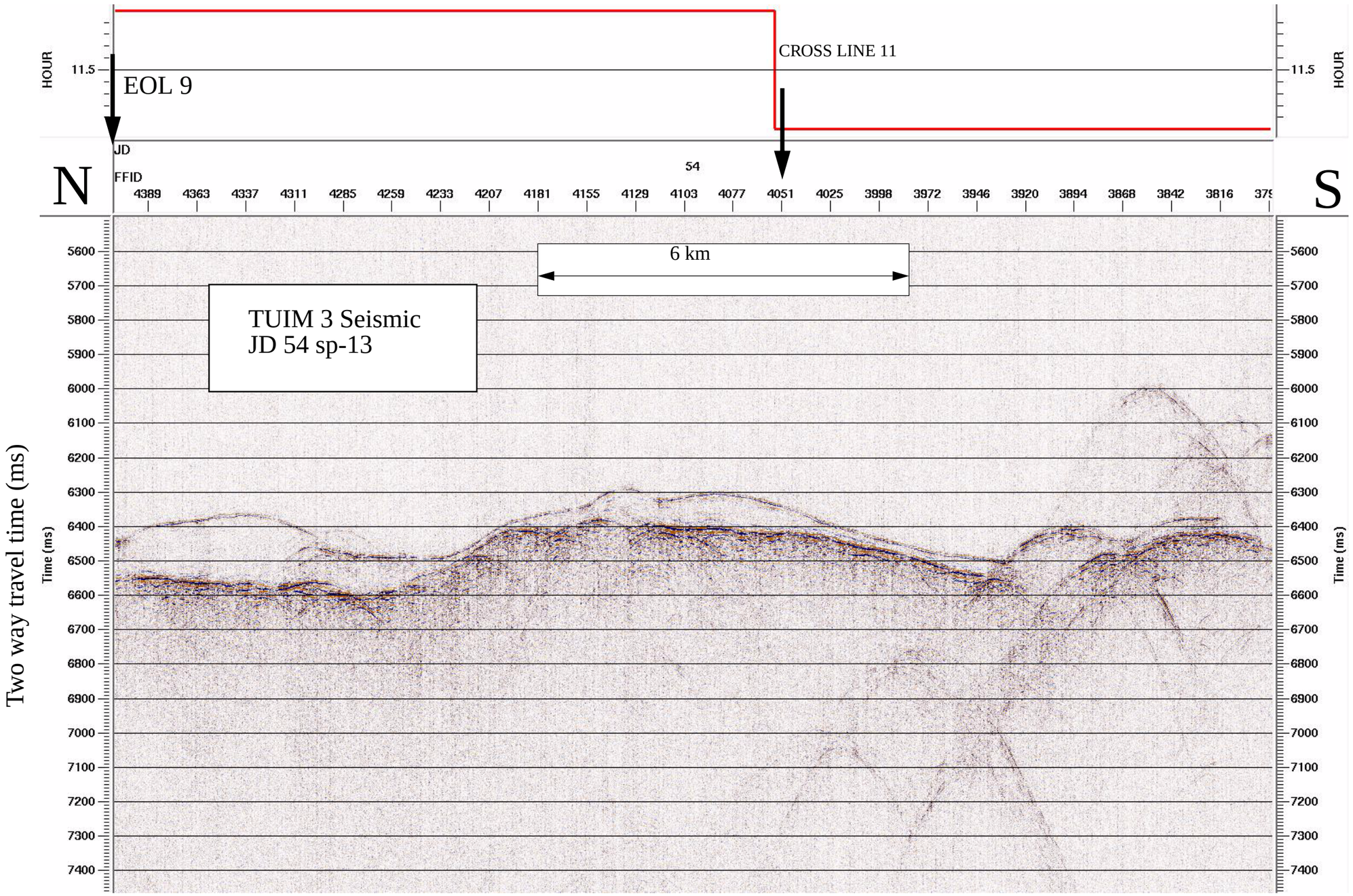
Data File SBfixavg.2005feb23.1200-1800

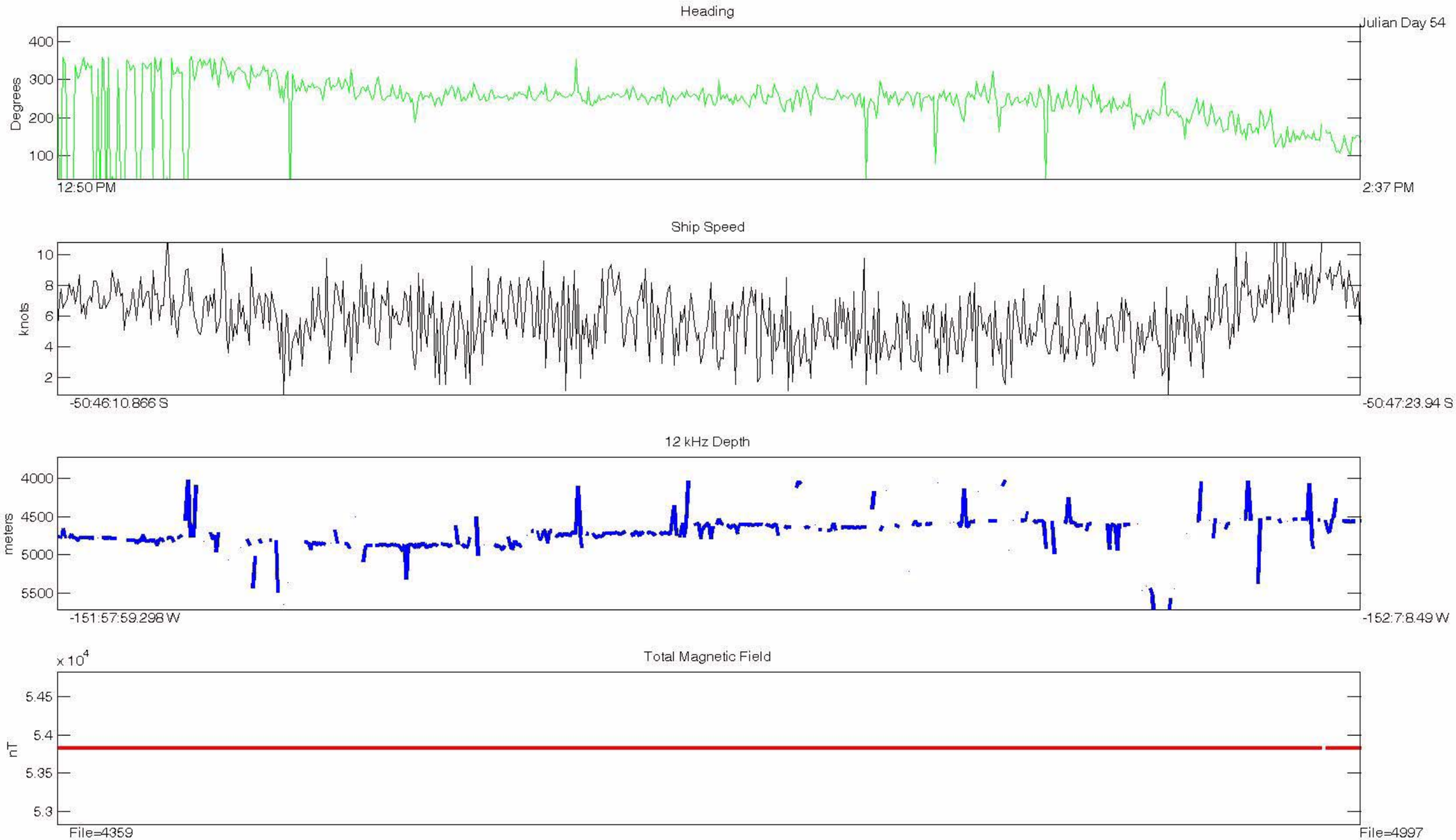


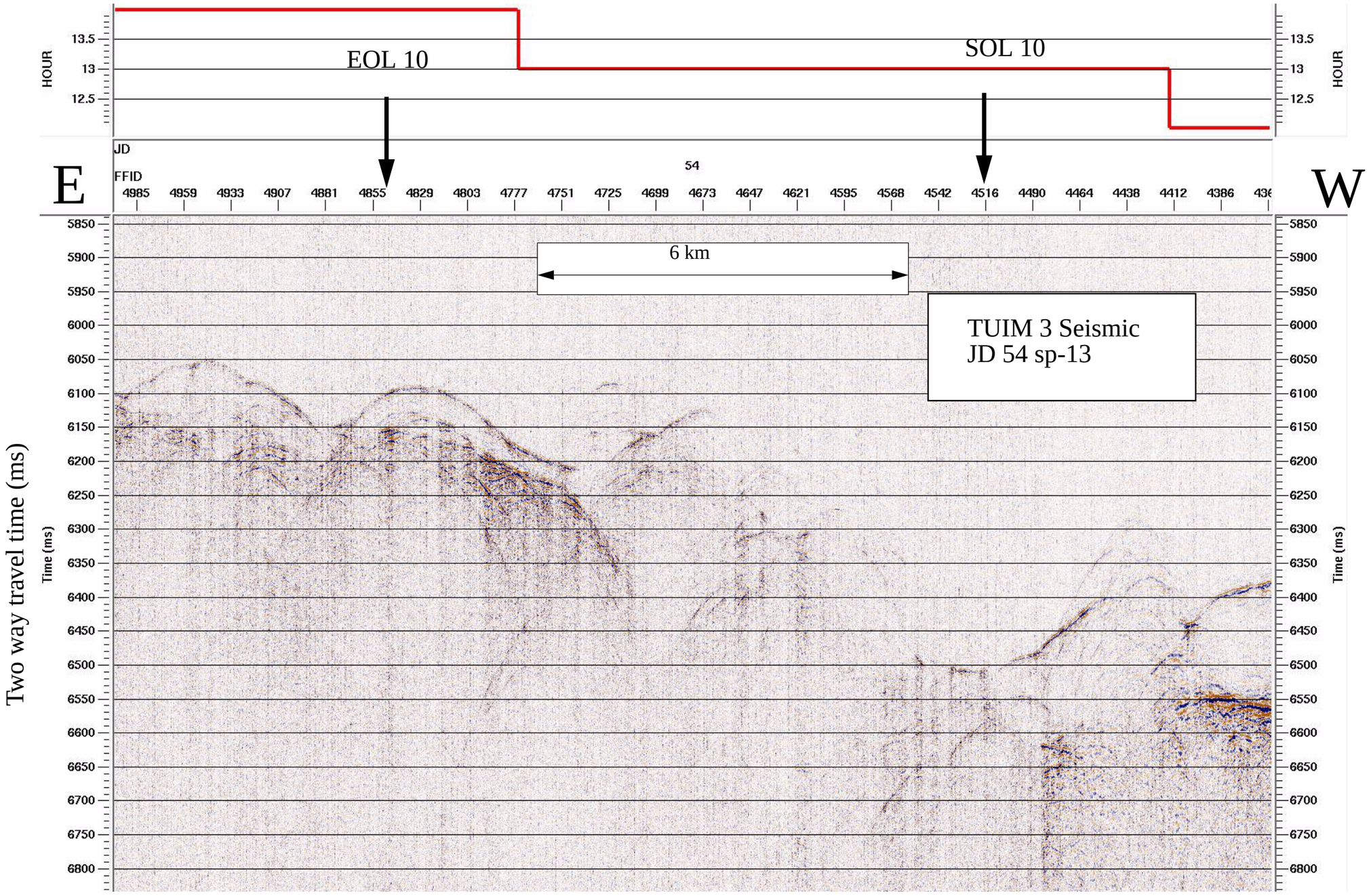

Heading
Julian Day 54
Degrees
400
300
200
100
0
12:53 PM
11:06 AM
Ship Speed
knots
12
10
8
6
4
-50:45:56.724 S
-50:57:13.356 S
12 kHz Depth
meters
4000
4500
5000
5500
-151:58:0.858 W
-151:58:13.314 W
Total Magnetic Field
x 10^4
nT
5.45
5.4
5.35
5.3
File=4372
File=3734

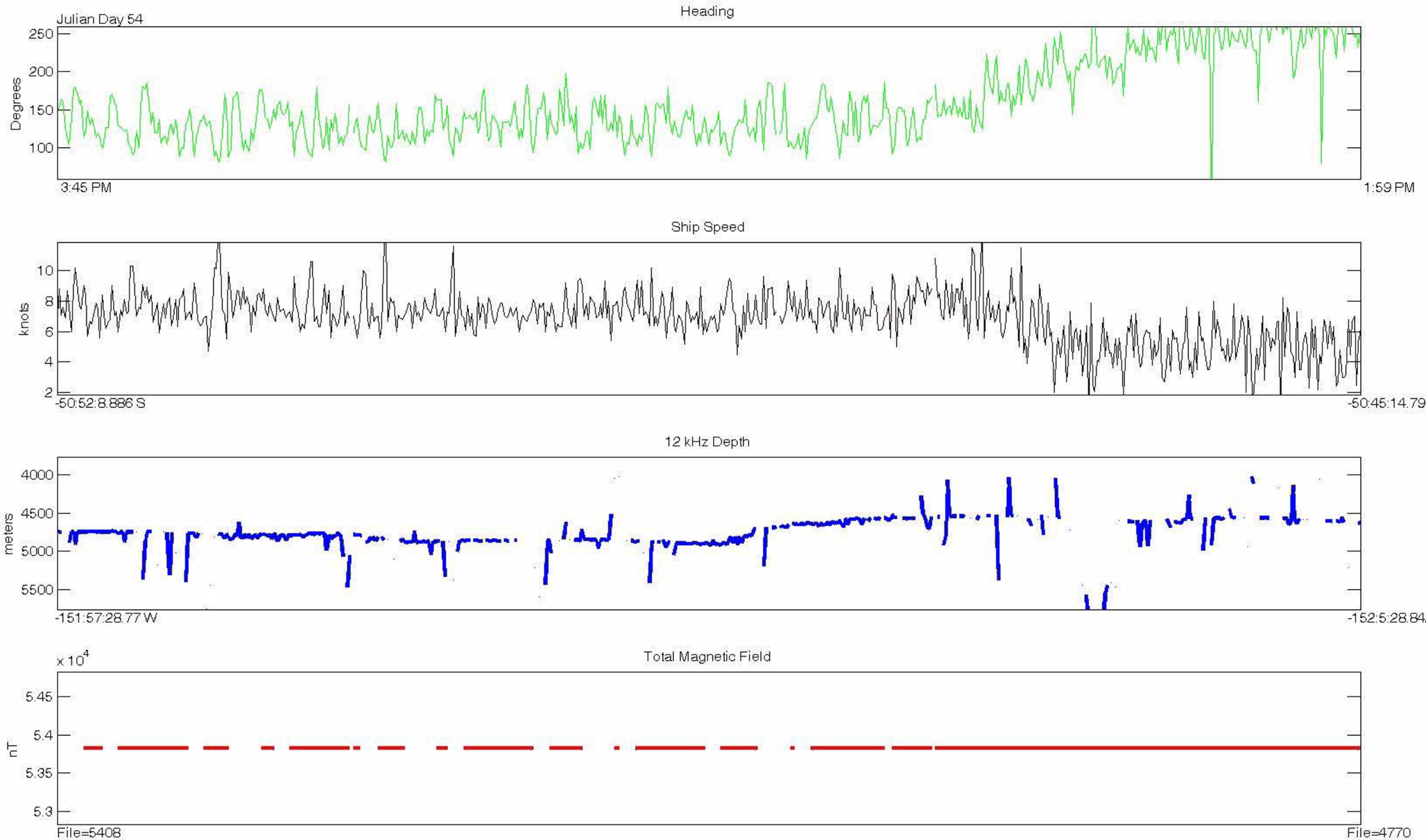

HOUR
11.5
CROSS LINE 11
SOL 9
JD
FFID
N
S
4360 4334 4308 4282 4256 4230 4204 4178 4152 4126 4100 4073 4047 4021 3995 3969 3943 3917 3891 3865 3839 3813 3787 3761
6 km
TUIM 3 Seismic
JD 54 sp-13
Two way travel time (ms)
Time (ms)
5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400

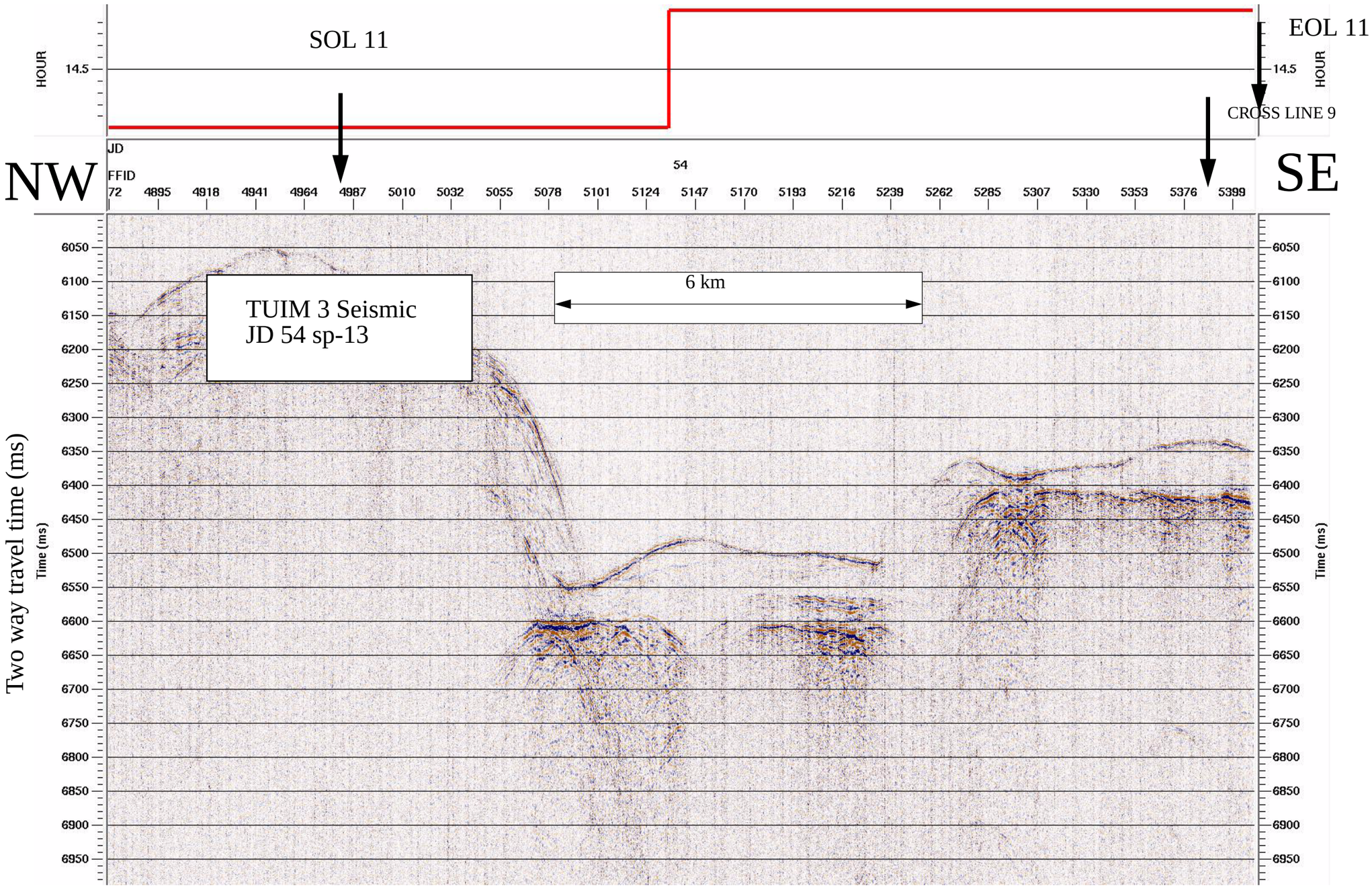

Heading
Julian Day 54
Degrees
400
300
200
100
0
12:58 PM
11:15 AM
Ship Speed
knots
12
10
8
6
4
-50:45:17.436 S
-50:56:48.552 S
12 kHz Depth
meters
4000
4500
5000
5500
-151:57:59.514 W
-151:58:49.578 W
Total Magnetic Field
x 10^4
nT
5.45
5.4
5.35
5.3
File=4407
File=3789


HOUR
11.5
EOL 9
CROSS LINE 11
11.5
HOUR
JD
54
FFID
N
S
4389 4363 4337 4311 4285 4259 4233 4207 4181 4155 4129 4103 4077 4051 4025 3998 3972 3946 3920 3894 3868 3842 3816
6 km
TUIM 3 Seismic
JD 54 sp-13
Two way travel time (ms)
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400


Heading
Julian Day 54
Degrees
400
300
200
100
12:50 PM
2:37 PM
Ship Speed
knots
10
8
6
4
2
-50:46:10.866 S
-50:47:23.94 S
12 kHz Depth
meters
4000
4500
5000
5500
-151:57:59.298 W
-152:7:8.49 W
x 10^4
Total Magnetic Field
nT
5.45
5.4
5.35
5.3
File=4359
File=4997

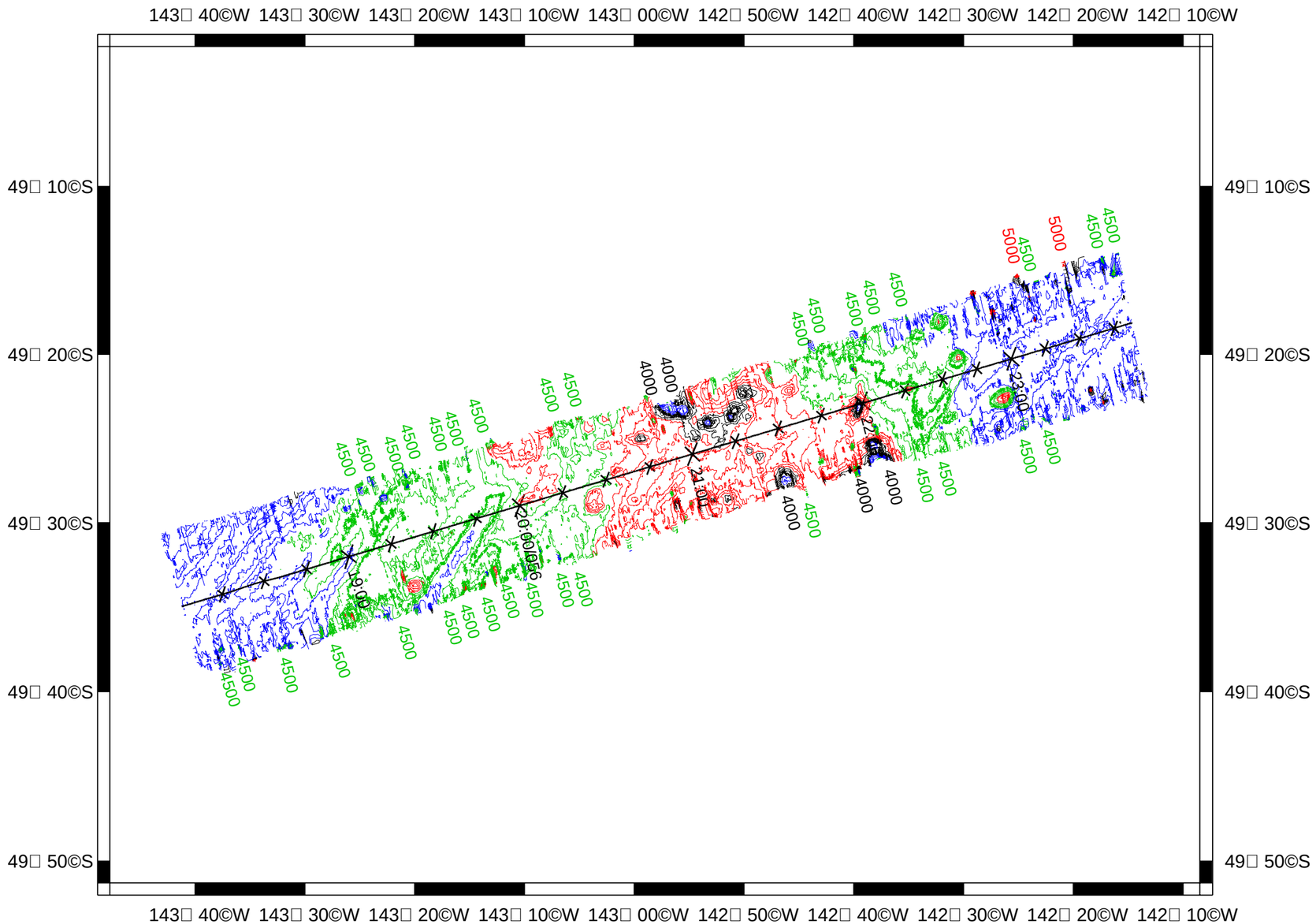

HOUR
13.5
13
12.5
EOL 10
SOL 10
E
W
JD
FFID
54
4985 4959 4933 4907 4881 4855 4829 4803 4777 4751 4725 4699 4673 4647 4621 4595 4568 4542 4516 4490 4464 4438 4412 4386
6 km
TUIM 3 Seismic
JD 54 sp-13
Time (ms)
5850 5900 5950 6000 6050 6100 6150 6200 6250 6300 6350 6400 6450 6500 6550 6600 6650 6700 6750 6800
Two way travel time (ms)

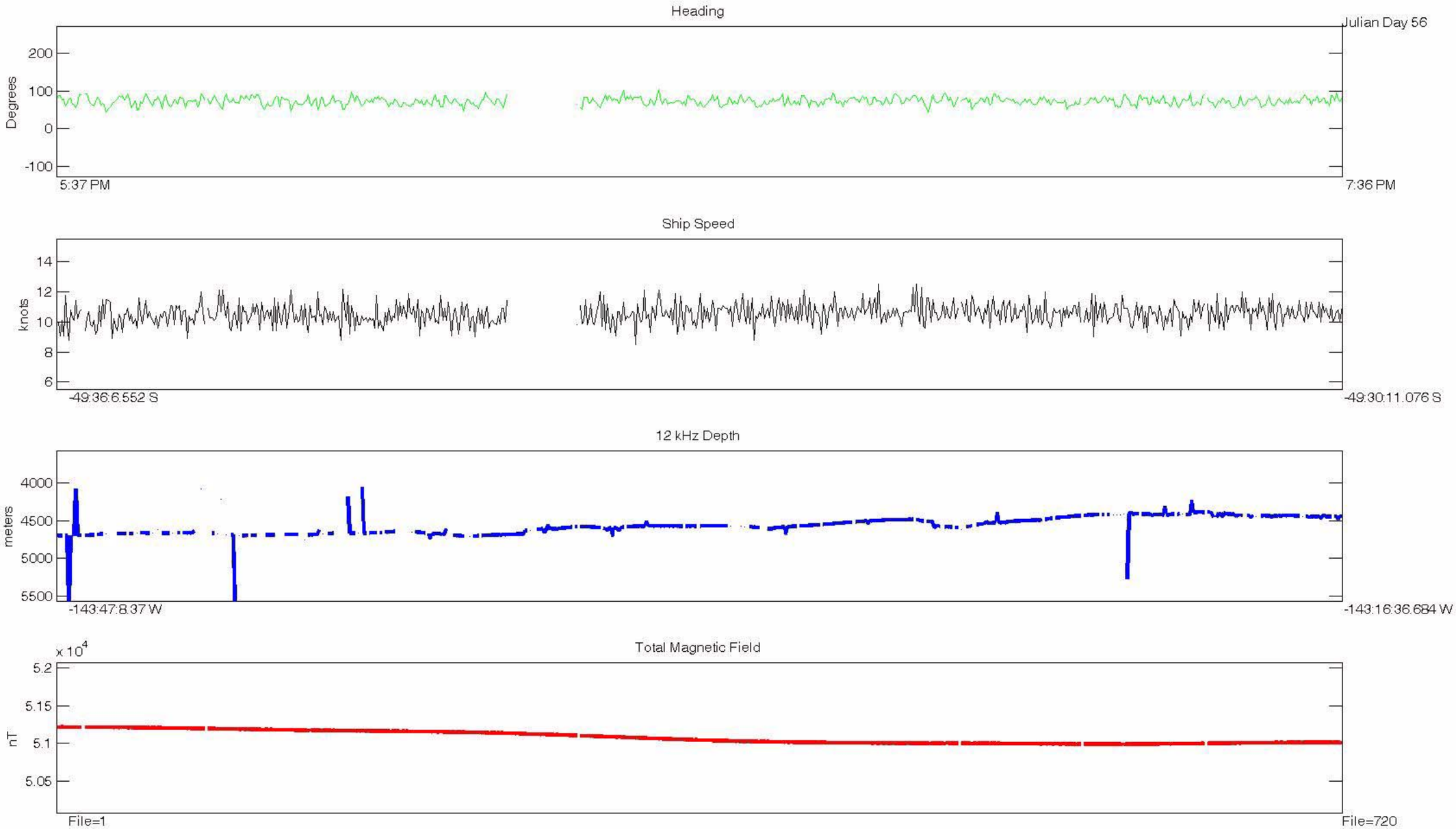

Heading
Julian Day 54
Degrees
250
200
150
100
3:45 PM
1:59 PM
Ship Speed
knots
10
8
6
4
2
-50:52:8.886 S
-50:45:14.79 S
12 kHz Depth
meters
4000
4500
5000
5500
-151:57:28.77 W
-152:5:28.842 W
Total Magnetic Field
x 10^4
nT
5.45
5.4
5.35
5.3
File=5408
File=4770

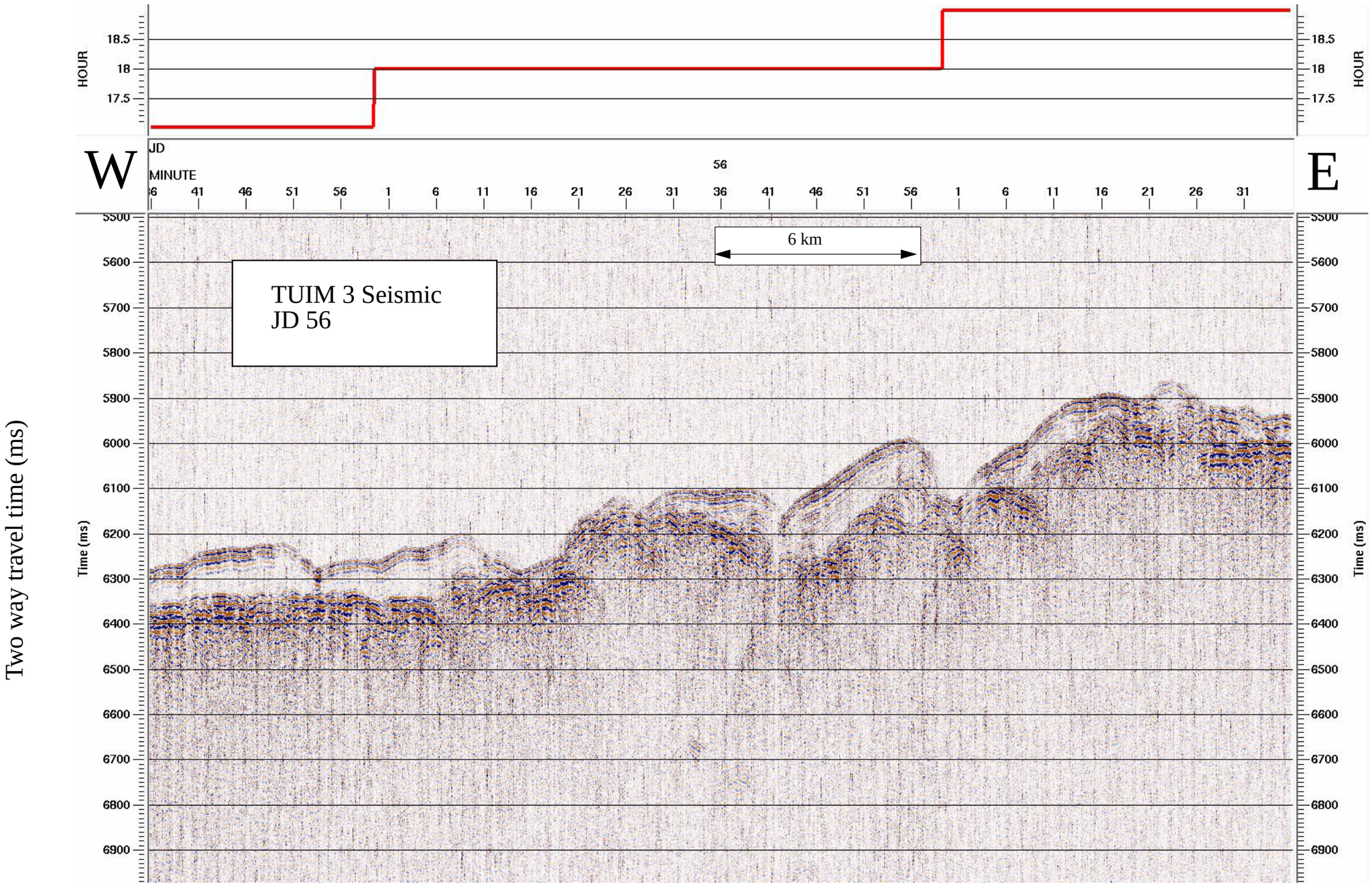

SOL 11
EOL 11
CROSS LINE 9
HOUR
14.5
NW
SE
JD
FFID
54
72 4895 4918 4941 4964 4987 5010 5032 5055 5078 5101 5124 5147 5170 5193 5216 5239 5262 5285 5307 5330 5353 5376 5399
TUIM 3 Seismic
JD 54 sp-13
6 km
Two way travel time (ms)
Time (ms)
6050 6100 6150 6200 6250 6300 6350 6400 6450 6500 6550 6600 6650 6700 6750 6800 6850 6900 6950

Julian Day 56
25 February 2005
150 c.i GI gun Source,
4-channel SIO streamer

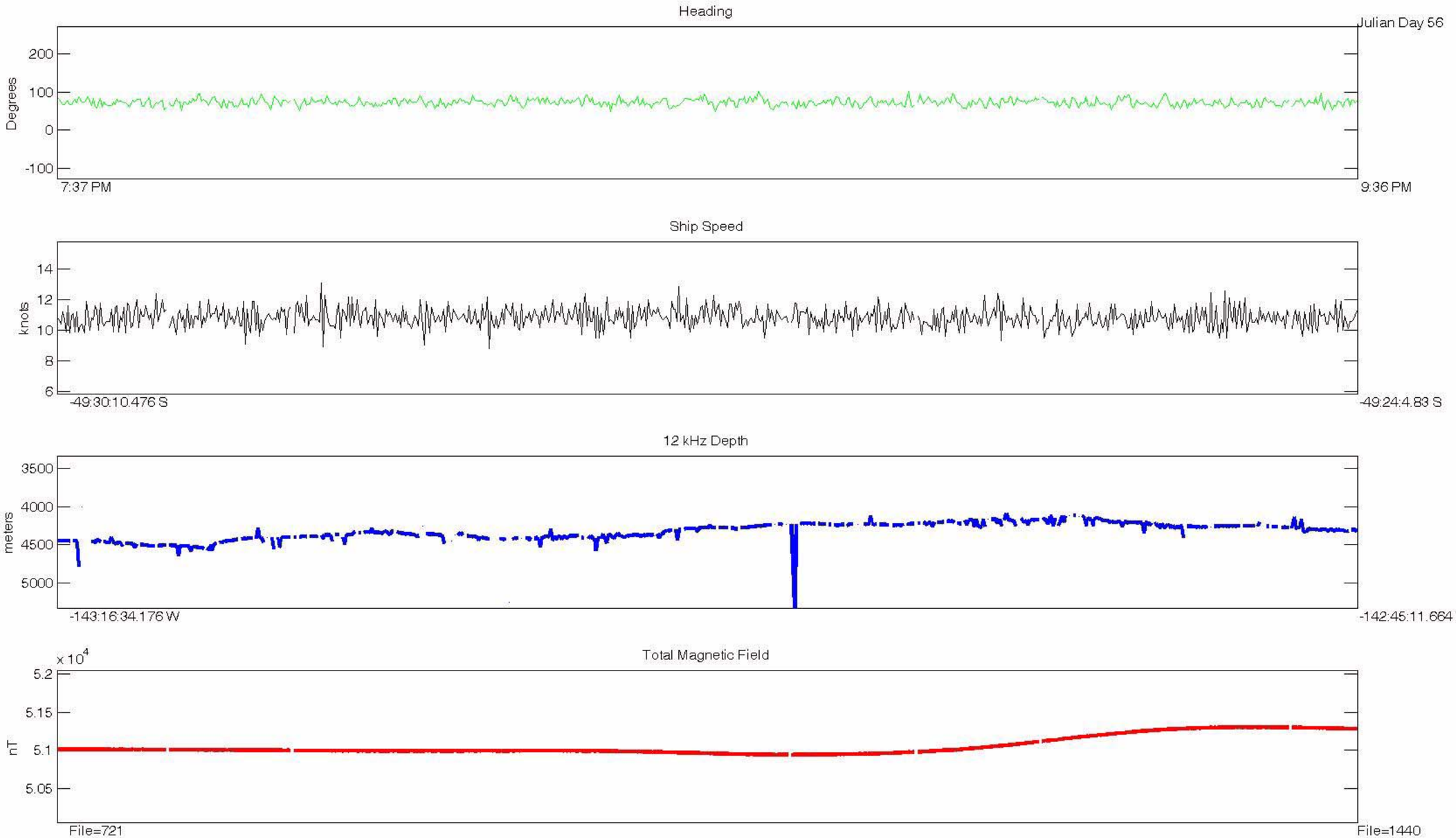
Data File SBfixavg.2005feb25.1800-2400

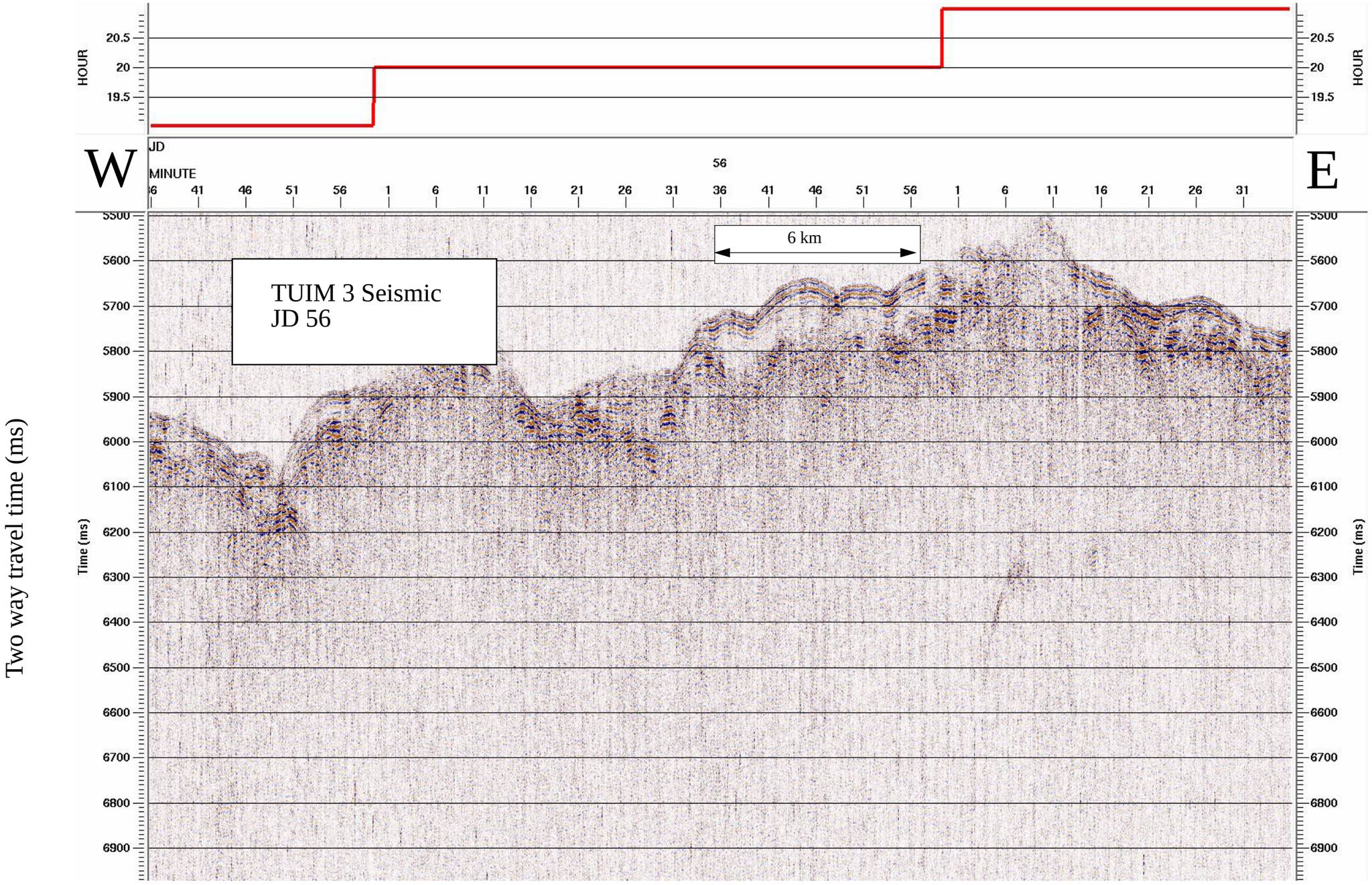



Heading
Julian Day 56
Degrees
200
100
0
-100
5:37 PM
7:36 PM
Ship Speed
knots
14
12
10
8
6
-49:36:6.552 S
-49:30:11.076 S
12 kHz Depth
meters
4000
4500
5000
5500
-143:47:8.37 W
-143:16:36.684 W
Total Magnetic Field
x 10^4
nT
5.2
5.15
5.1
5.05
File=1
File=720

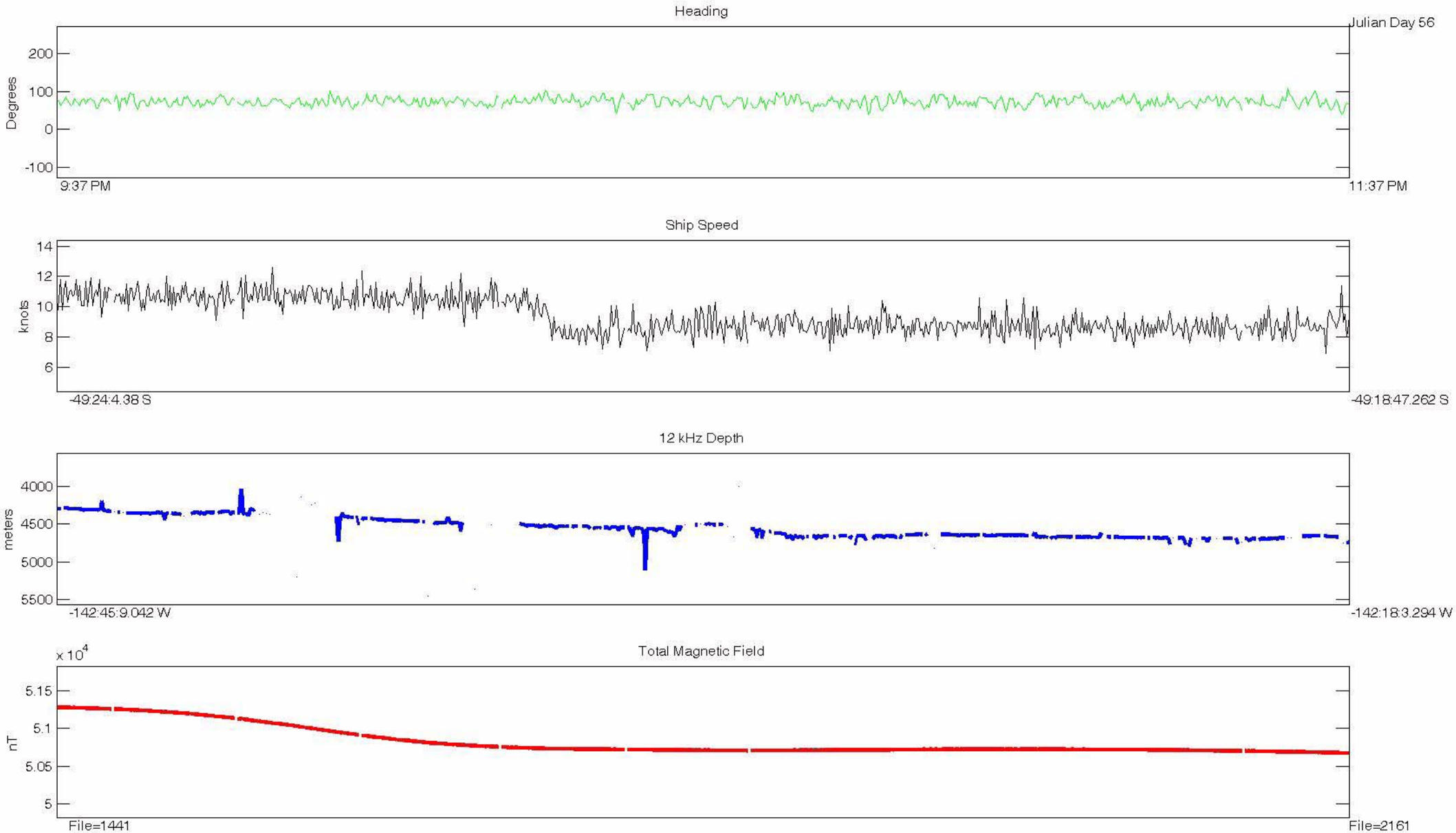


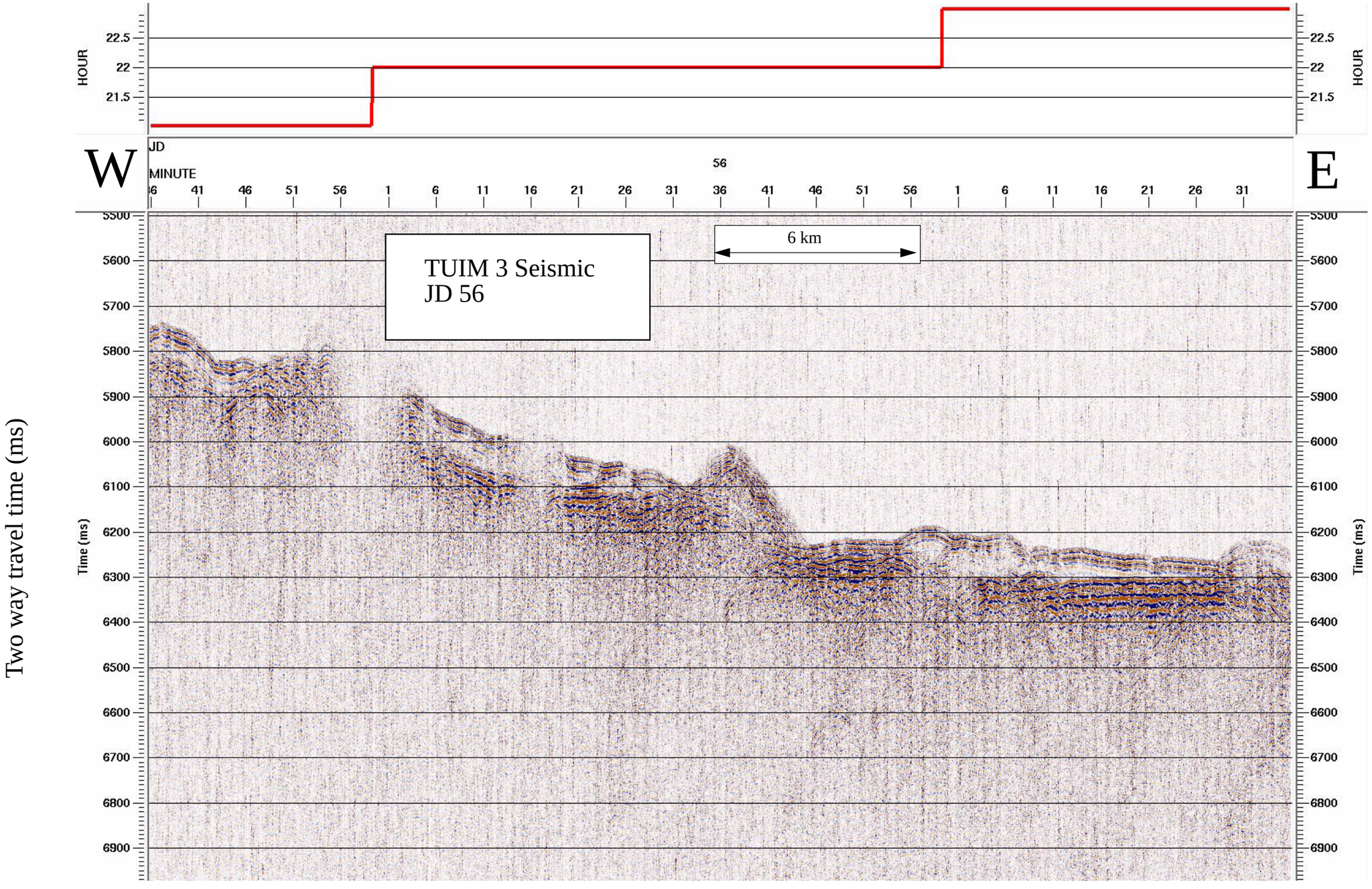
Two way travel time (ms)

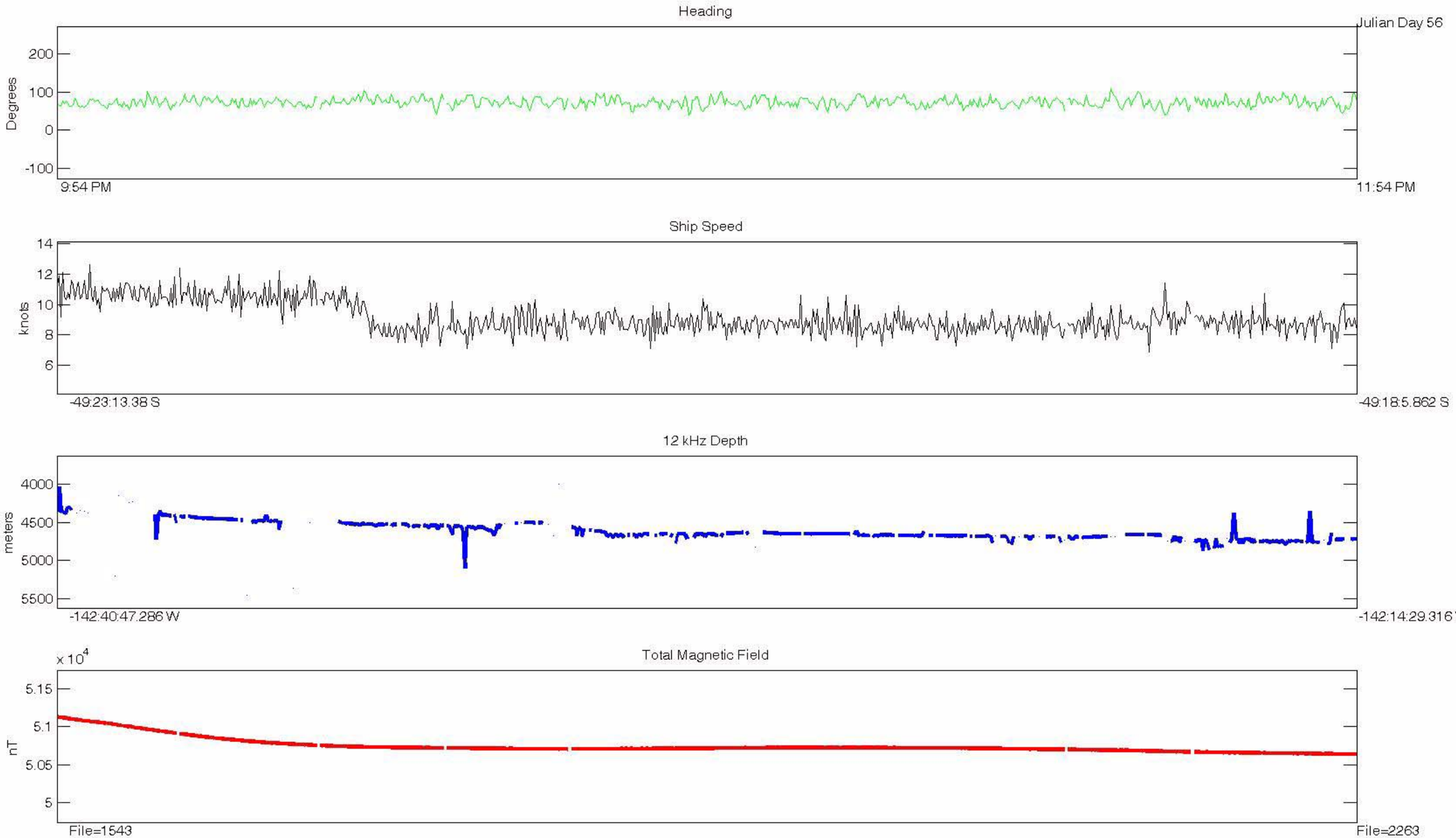

Heading
Julian Day 56
Degrees
200
100
0
-100
7:37 PM
9:36 PM
Ship Speed
knots
14
12
10
8
6
-49:30:10.476 S
-49:24:4.83 S
12 kHz Depth
meters
3500
4000
4500
5000
-143:16:34.176 W
-142:45:11.664 W
x 10^4
Total Magnetic Field
nT
5.2
5.15
5.1
5.05
File=721
File=1440

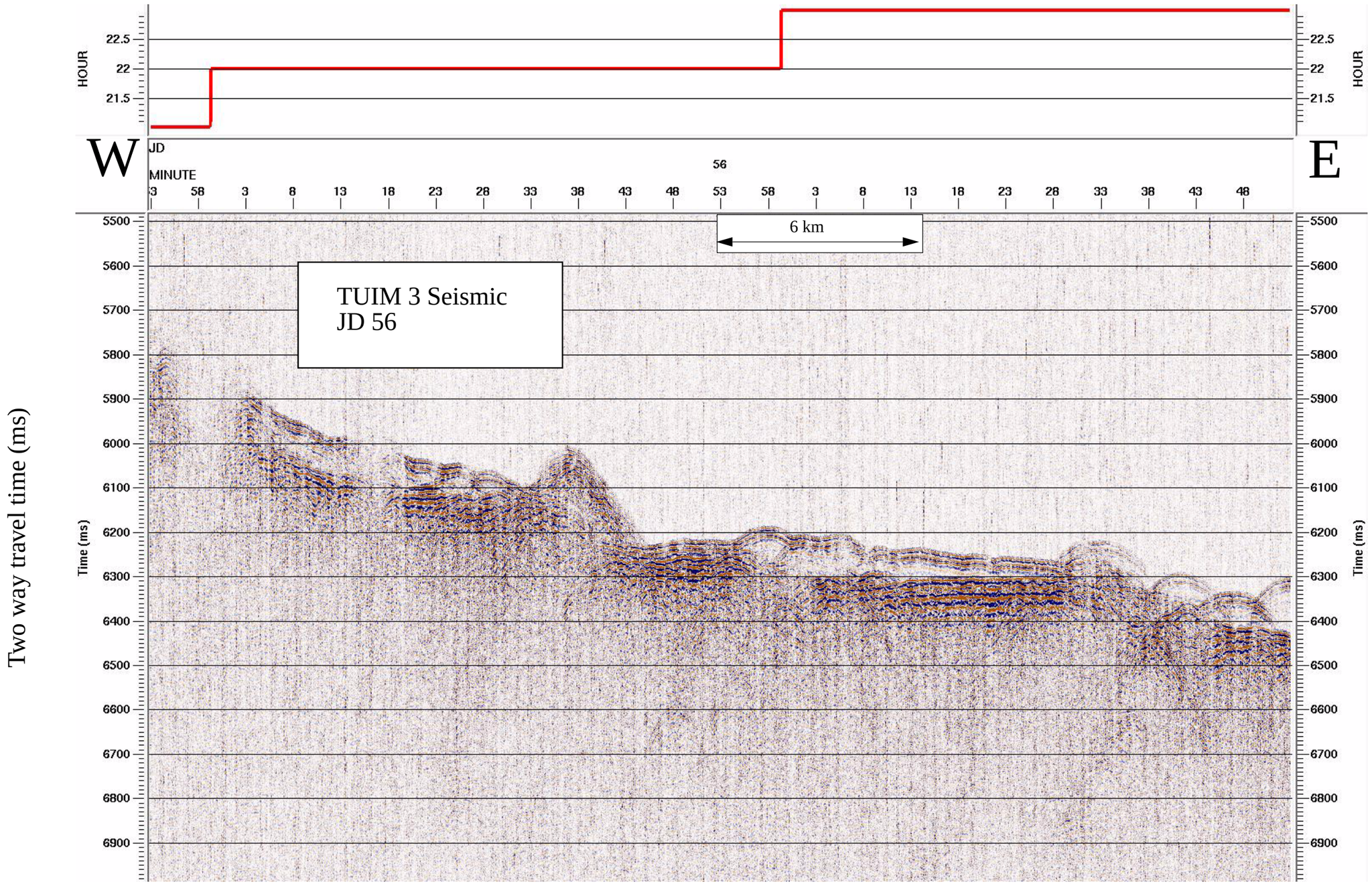


Two way travel time (ms)


Heading
Julian Day 56
Degrees
200
100
0
-100
9:37 PM
11:37 PM
Ship Speed
knots
14
12
10
8
6
-49:24:4.38 S
-49:18:47.262 S
12 kHz Depth
meters
4000
4500
5000
5500
-142:45:9.042 W
-142:18:3.294 W
x 10^4
Total Magnetic Field
nT
5.15
5.1
5.05
5
File=1441
File=2161

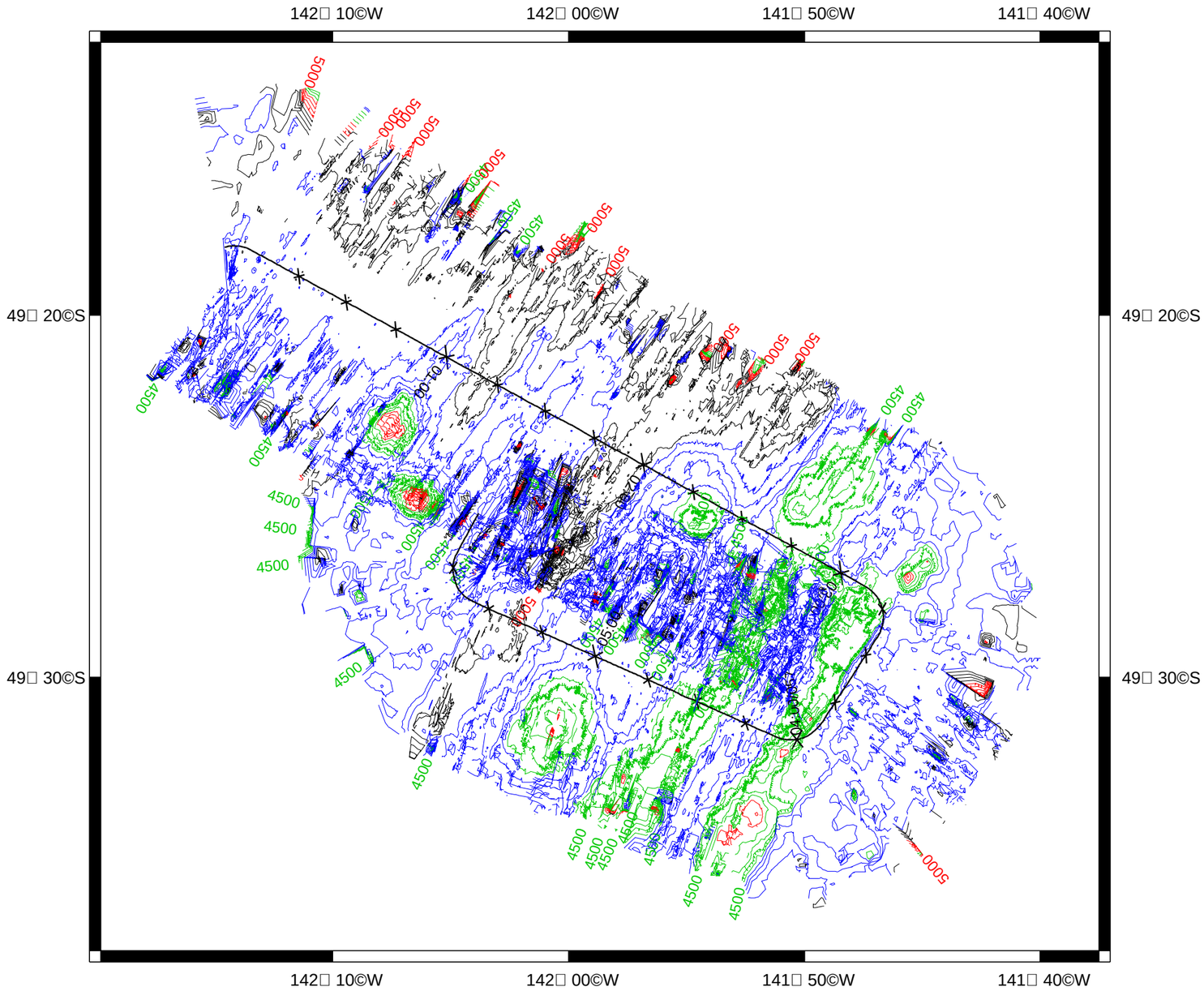

HOUR
22.5
22
21.5
W
JD
MINUTE
56
E
6 km
TUIM 3 Seismic
JD 56
Time (ms)
5500
5600
5700
5800
5900
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
Two way travel time (ms)

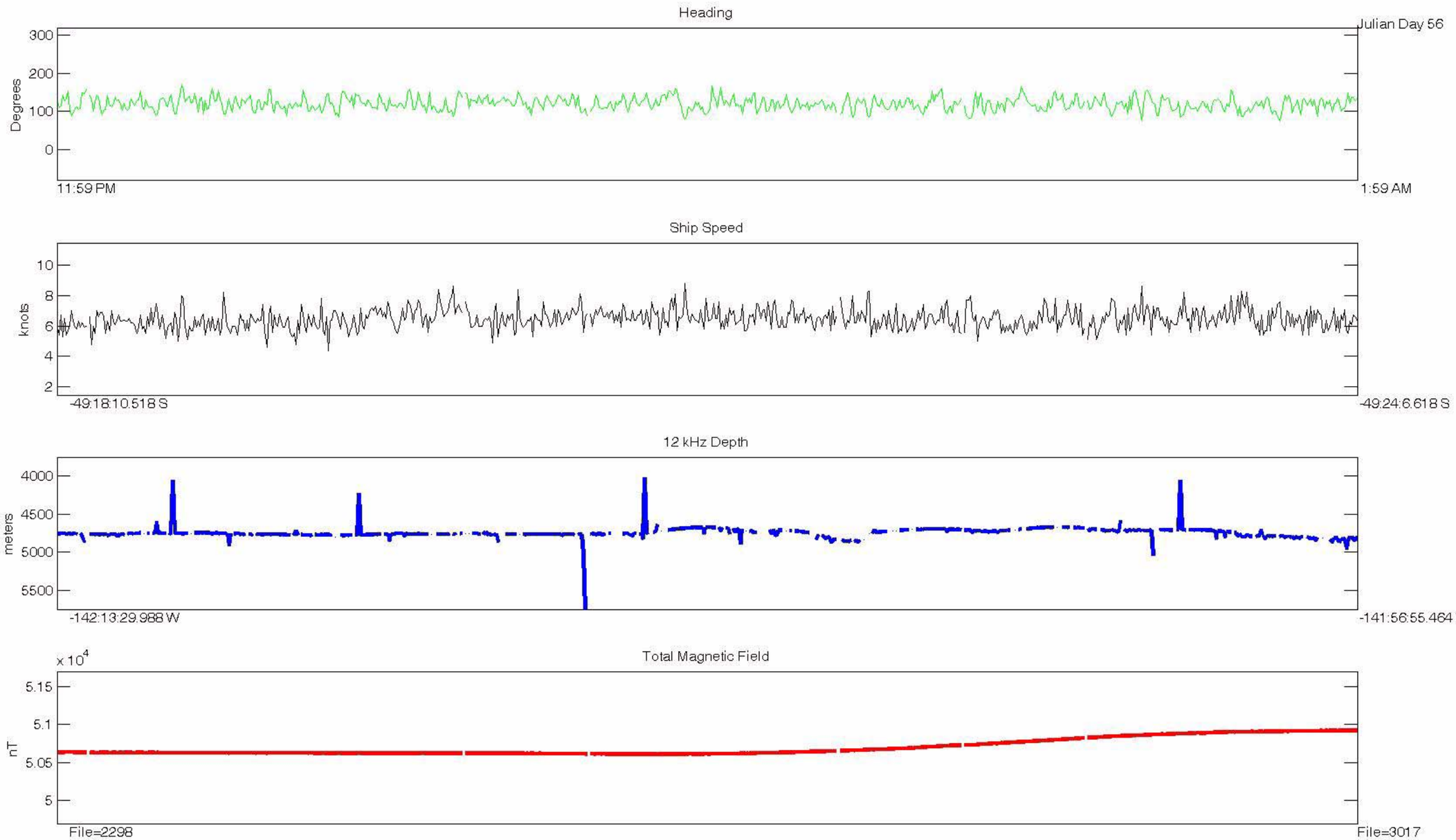

Heading
Julian Day 56
Degrees
200
100
0
-100
9:54 PM
11:54 PM
Ship Speed
knots
14
12
10
8
6
-49:23:13.38 S
-49:18:5.862 S
12 kHz Depth
meters
4000
4500
5000
5500
-142:40:47.286 W
-142:14:29.316 W
x 10^4
Total Magnetic Field
nT
5.15
5.1
5.05
5
File=1543
File=2263

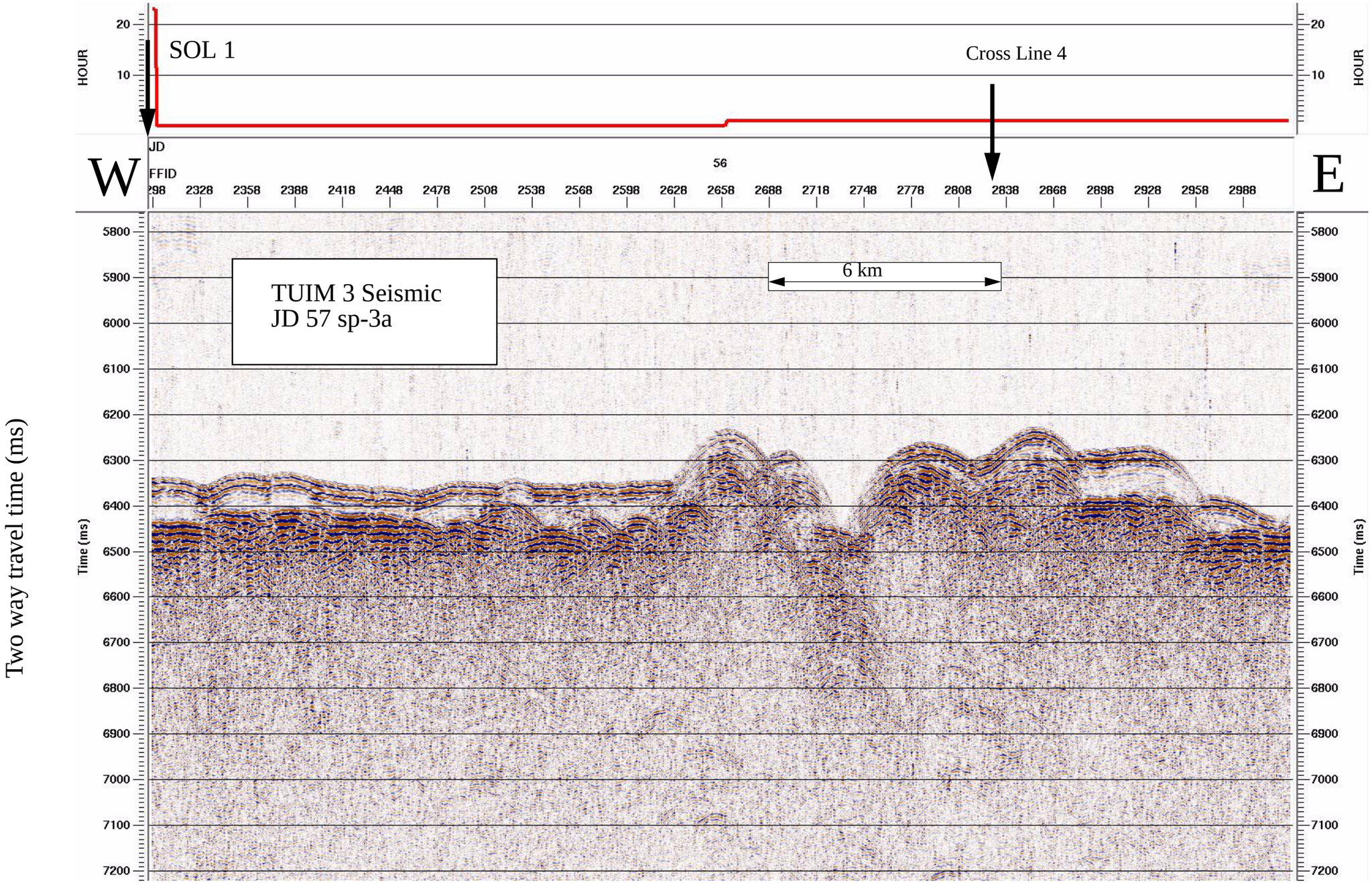

HOUR
22.5
22
21.5
W
JD
MINUTE
56
3 58 3 8 13 18 23 28 33 38 43 48 53 58 3 8 13 18 23 28 33 38 43 48
E
6 km
TUIM 3 Seismic
JD 56
Time (ms)
5500
5600
5700
5800
5900
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
Two way travel time (ms)

Julian Day 57
26 February 2005
150 c.i GI gun Source,
4-channel SIO streamer

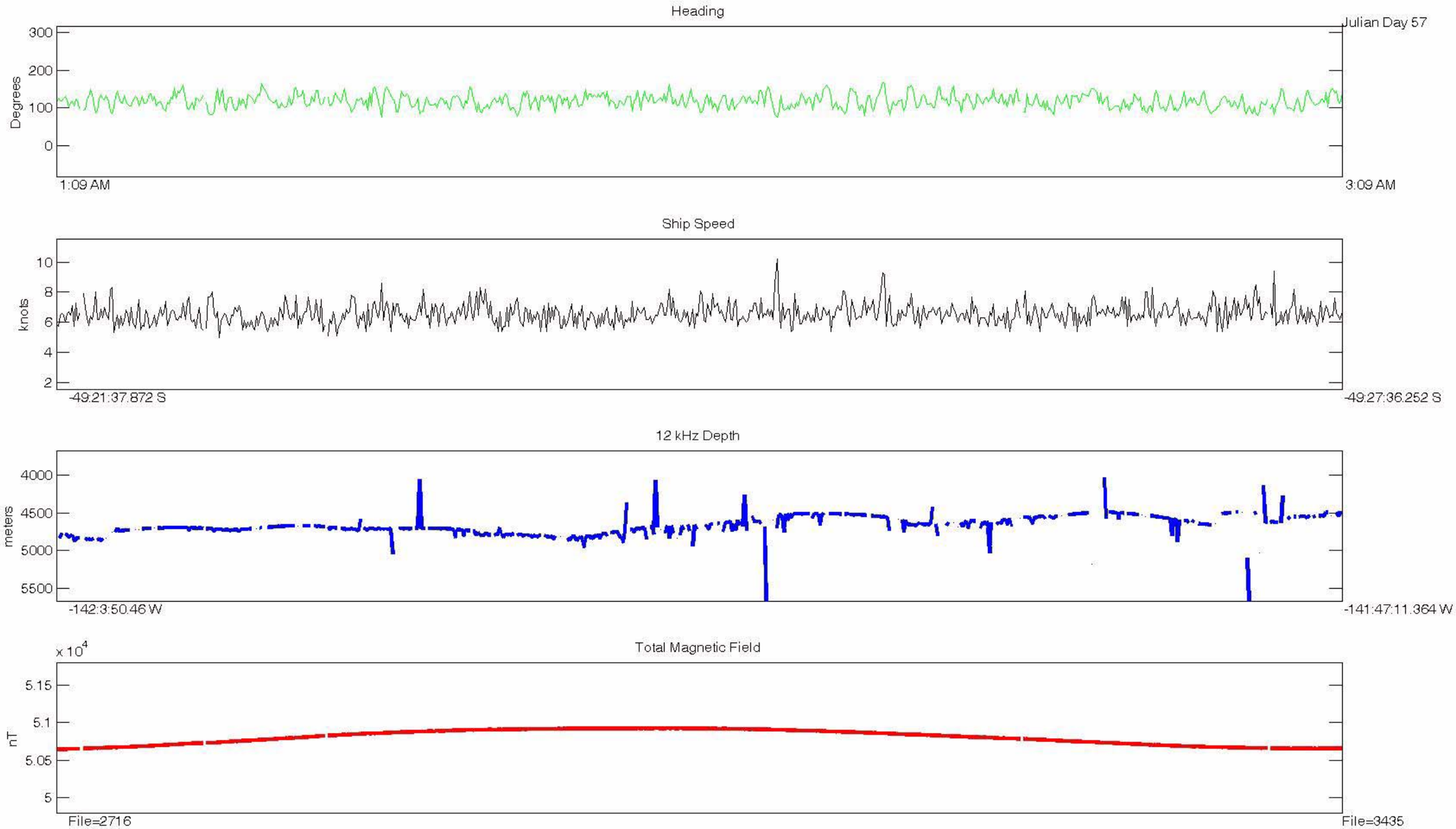
Data File SBfixavg.2005feb26.0000-0600

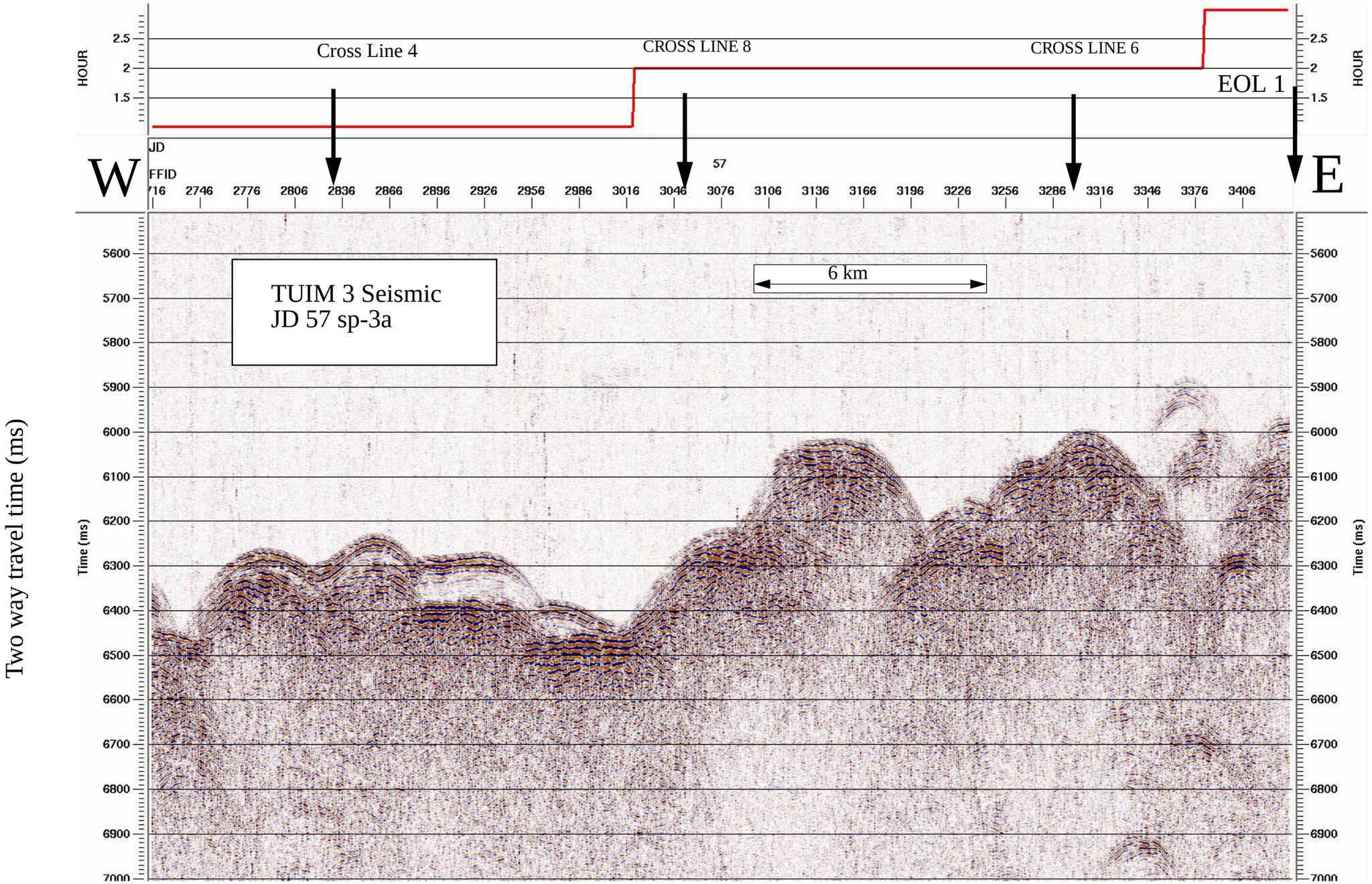


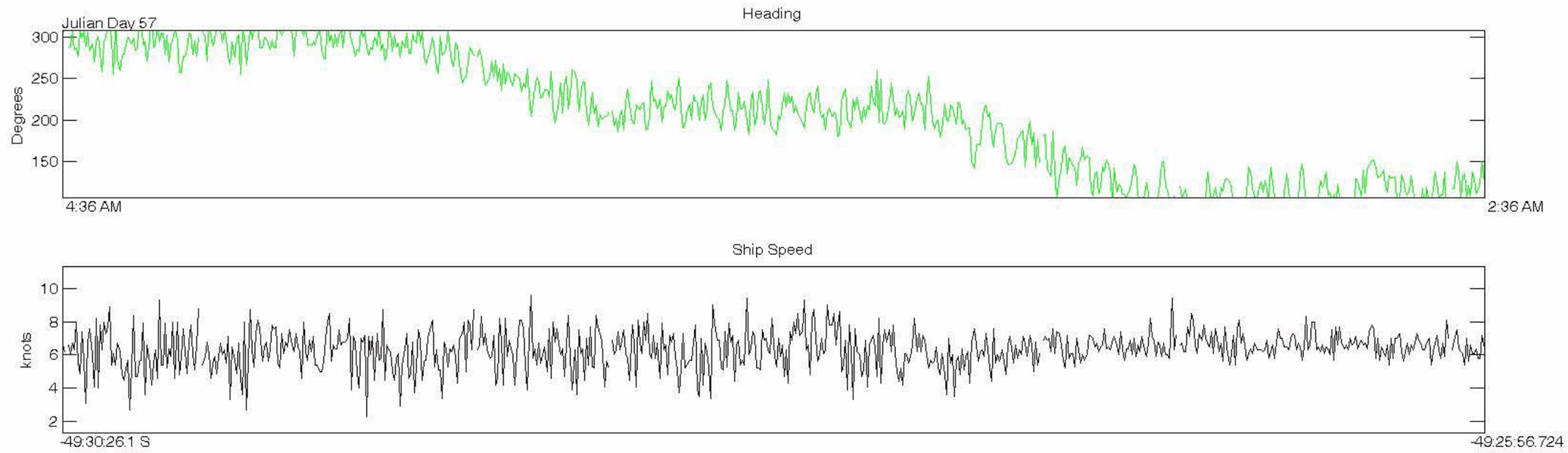

Heading
Julian Day 56
300
200
100
0
Degrees
11:59 PM
1:59 AM
Ship Speed
10
8
6
4
2
knots
-49:18:10.518 S
-49:24:6.618 S
12 kHz Depth
4000
4500
5000
5500
meters
-142:13:29.988 W
-141:56:55.464 W
x 10^4
Total Magnetic Field
5.15
5.1
5.05
5
nT
File=2298
File=3017

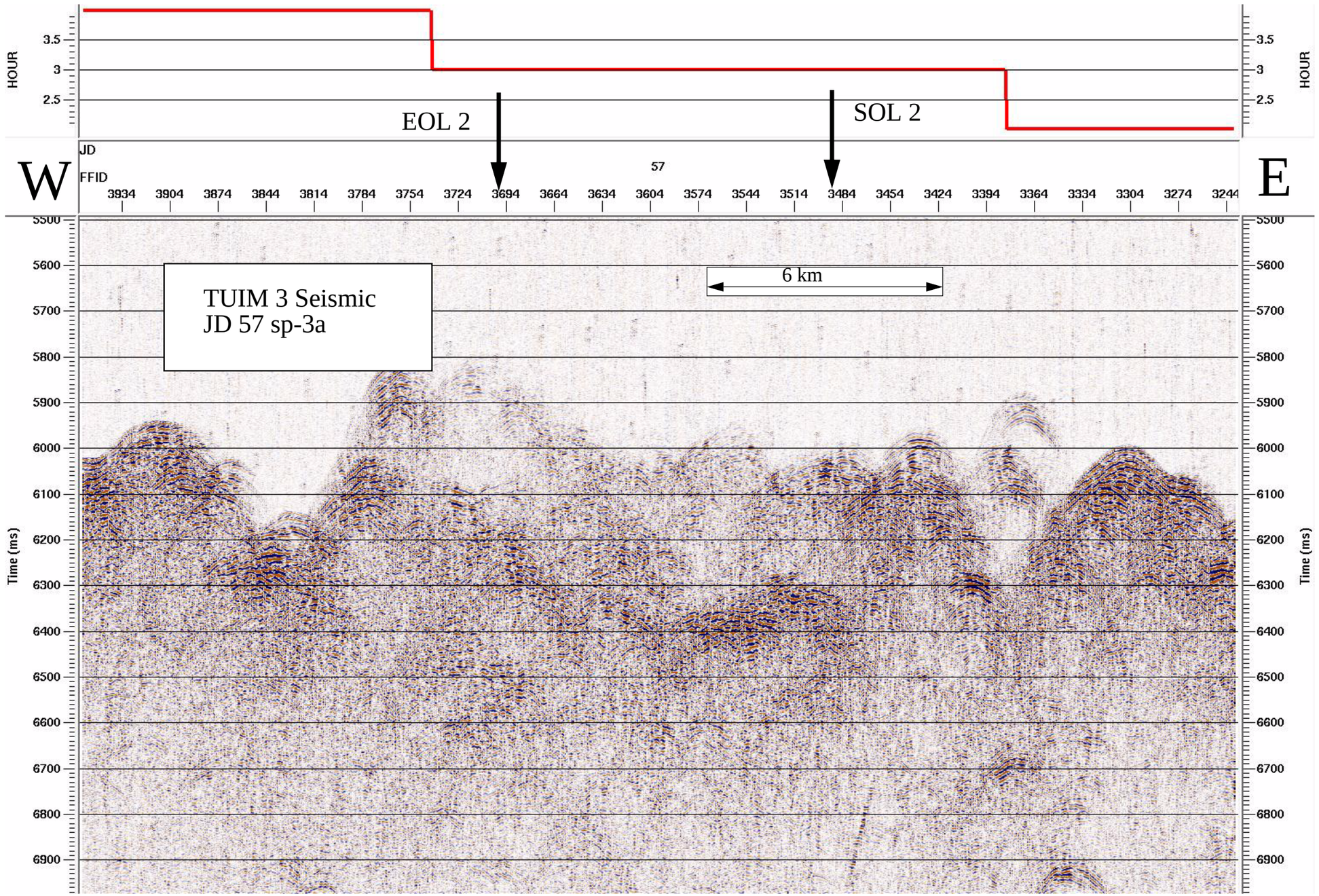


Two way travel time (ms)

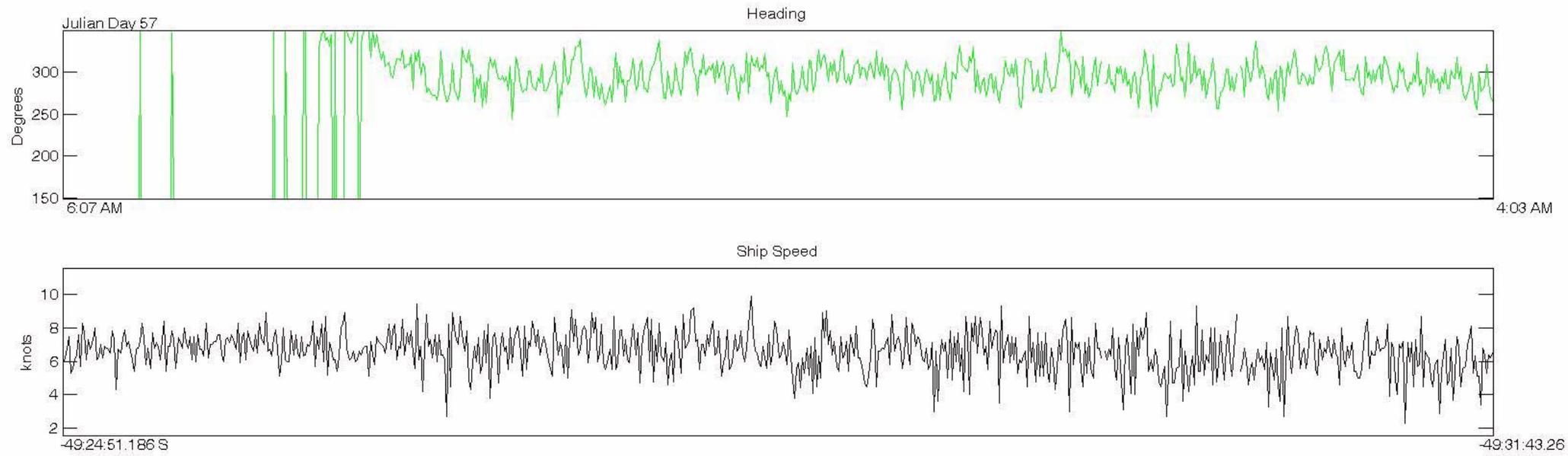

Heading
Julian Day 57
300
200
100
0
Degrees
1:09 AM
3:09 AM
Ship Speed
10
8
6
4
2
knots
-49:21:37.872 S
-49:27:36.252 S
12 kHz Depth
4000
4500
5000
5500
meters
-142:3:50.46 W
-141:47:11.364 W
x 10^4
Total Magnetic Field
5.15
5.1
5.05
5
nT
File=2716
File=3435

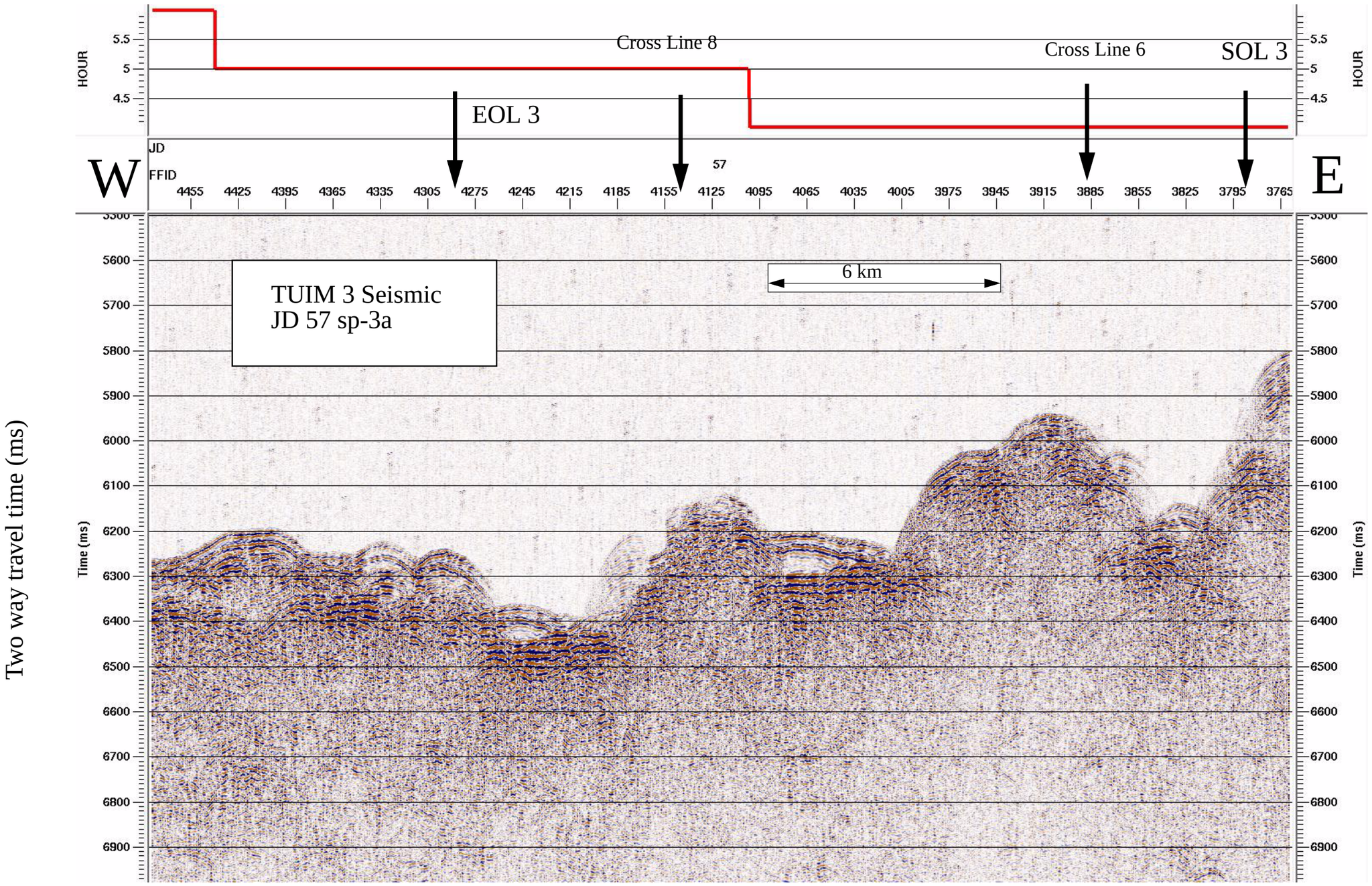

Cross Line 4
CROSS LINE 8
CROSS LINE 6
EOL 1
HOUR
2.5
2
1.5
W
E
JD
57
FFID
2716 2746 2776 2806 2836 2866 2896 2926 2956 2986 3016 3046 3076 3106 3136 3166 3196 3226 3256 3286 3316 3346 3376 3406
TUIM 3 Seismic
JD 57 sp-3a
6 km
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000
Two way travel time (ms)


Heading
Julian Day 57
300
250
200
150
Degrees
4:36 AM
2:36 AM
Ship Speed
10
8
6
4
2
knots
-49:30:26.1 S
-49:25:56.724 S
12 kHz Depth
4000
4500
5000
5500
meters
-141:55:23.916 W
-141:51:44.958 W
x 10^4
Total Magnetic Field
5.15
5.1
5.05
5
nT
File=3958
File=3239

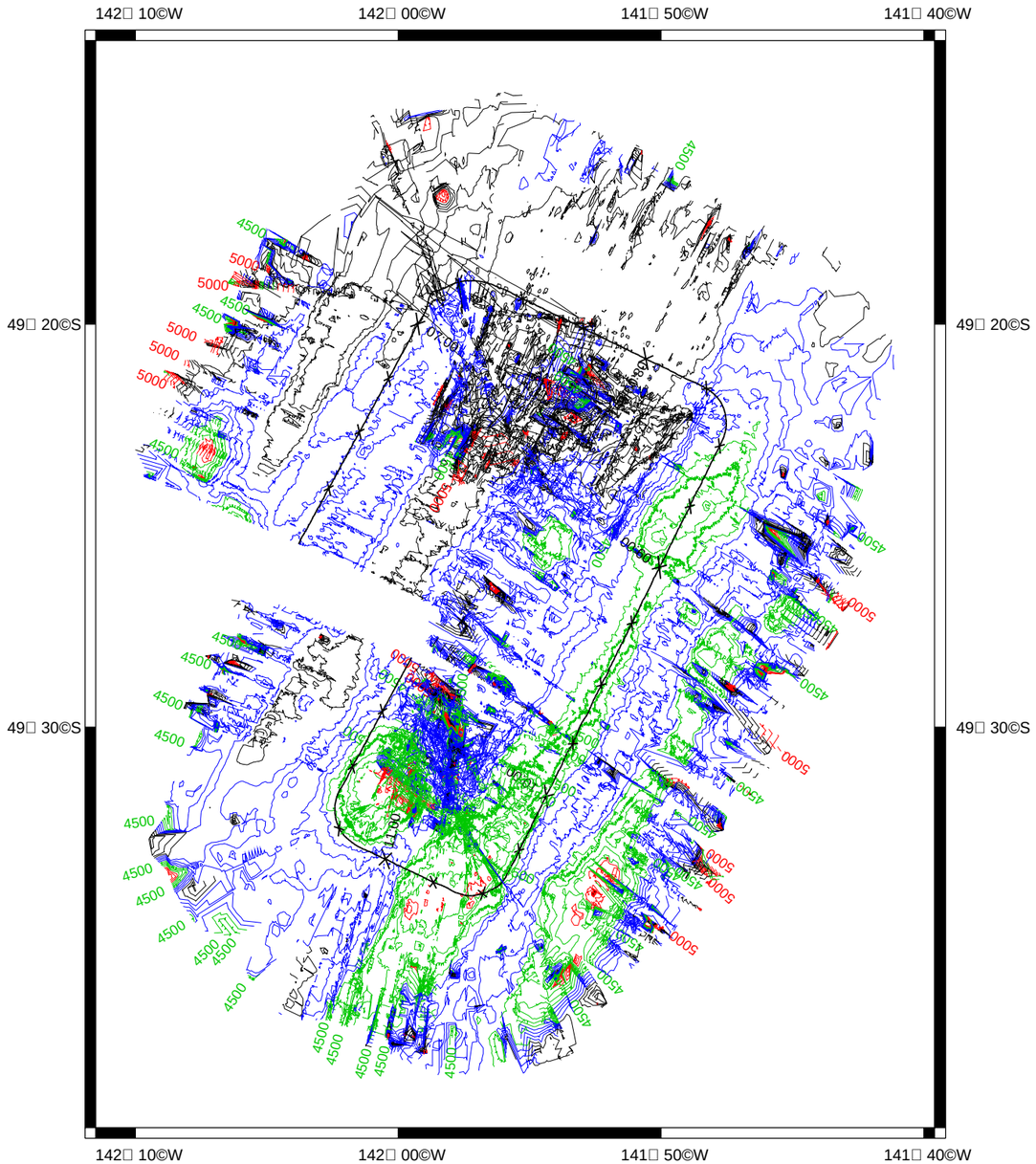


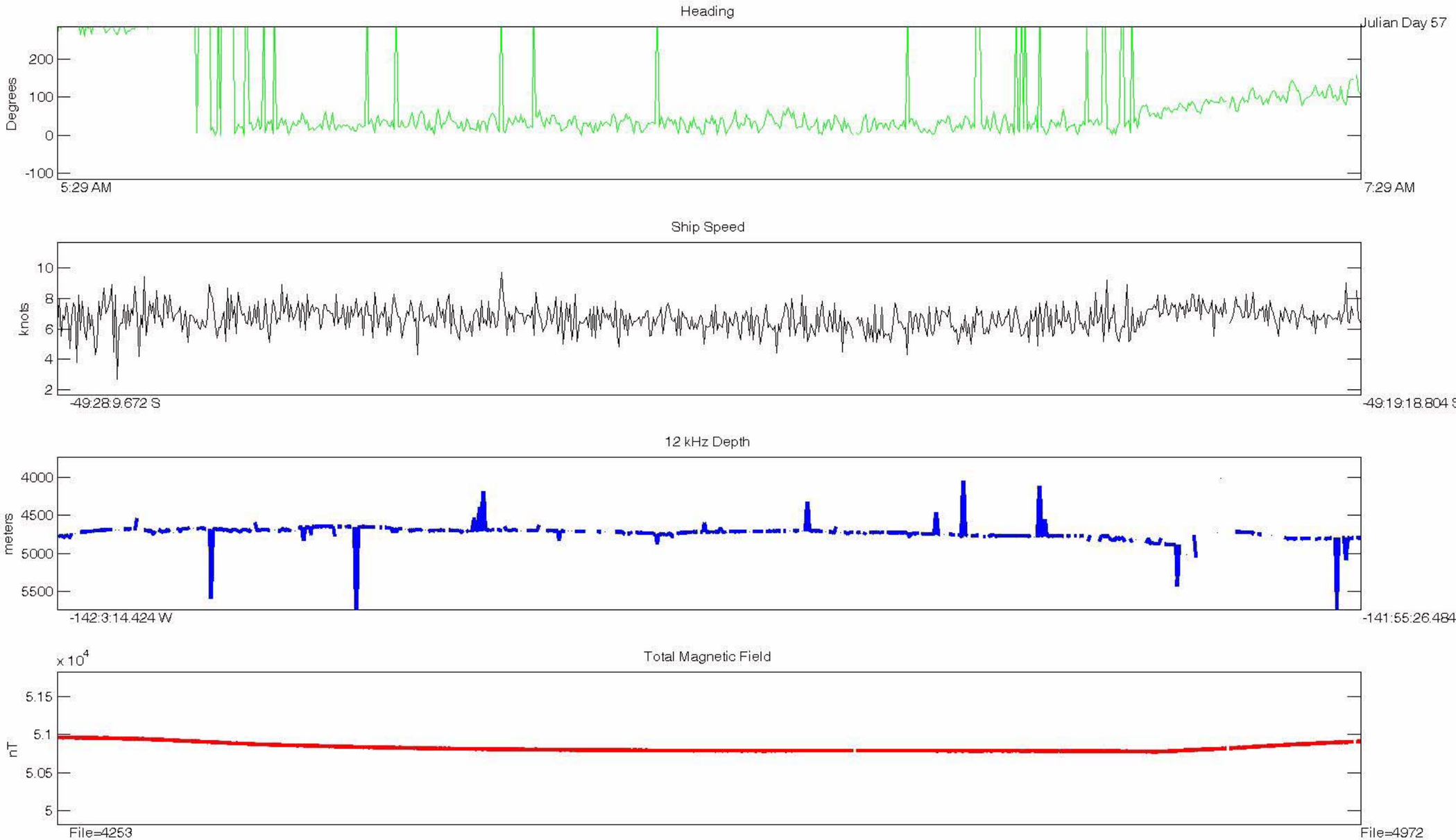
Two way travel time (ms)

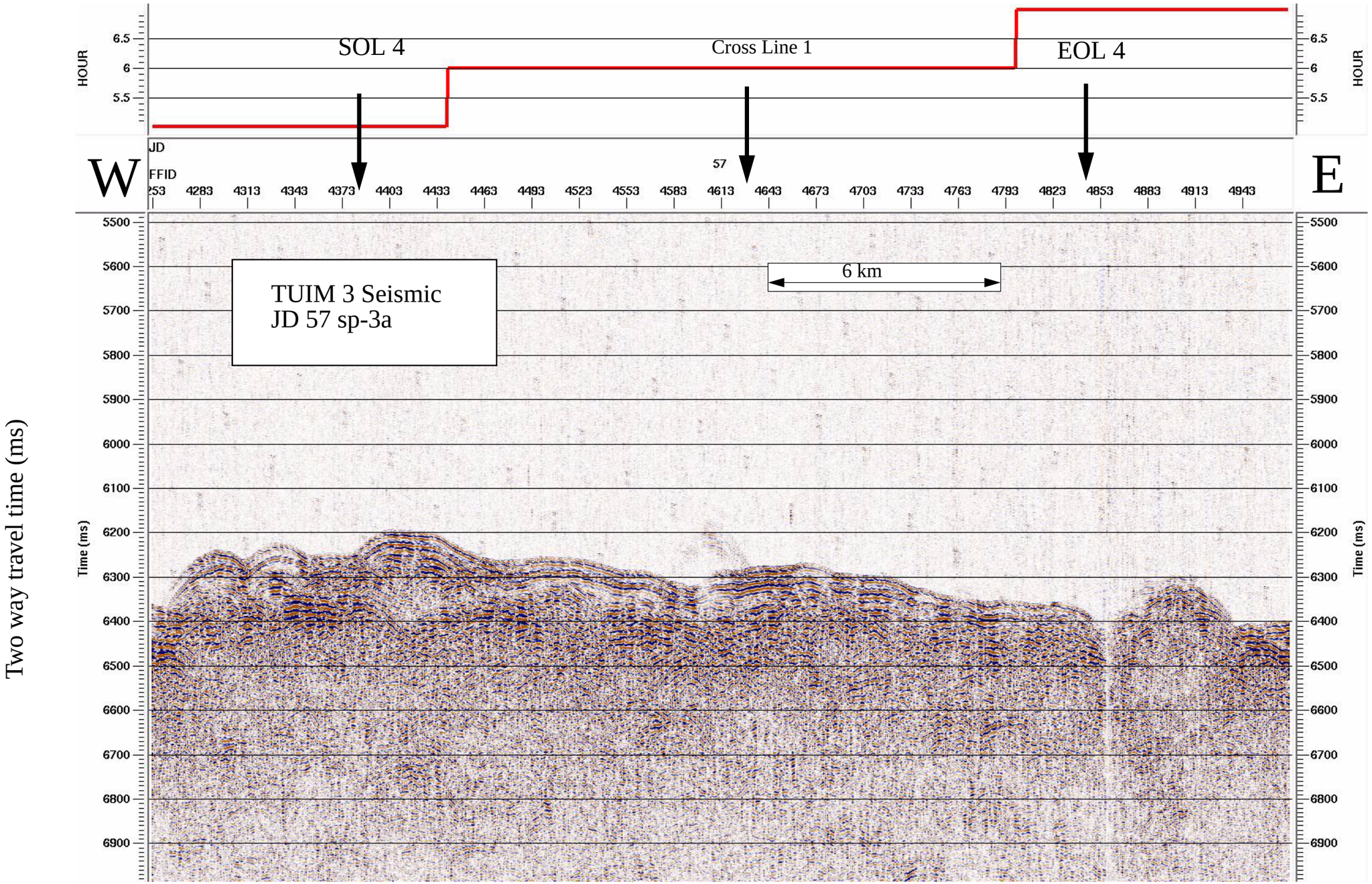

Heading
Julian Day 57
Degrees
300
250
200
150
6:07 AM
4:03 AM
Ship Speed
knots
10
8
6
4
2
-49:24:51.186 S
-49:31:43.26 S
12 kHz Depth
meters
4000
4500
5000
5500
-142:3:17.334 W
-141:50:51.936 W
x 10^4
Total Magnetic Field
nT
5.15
5.1
5.05
5
File=4479
File=3760

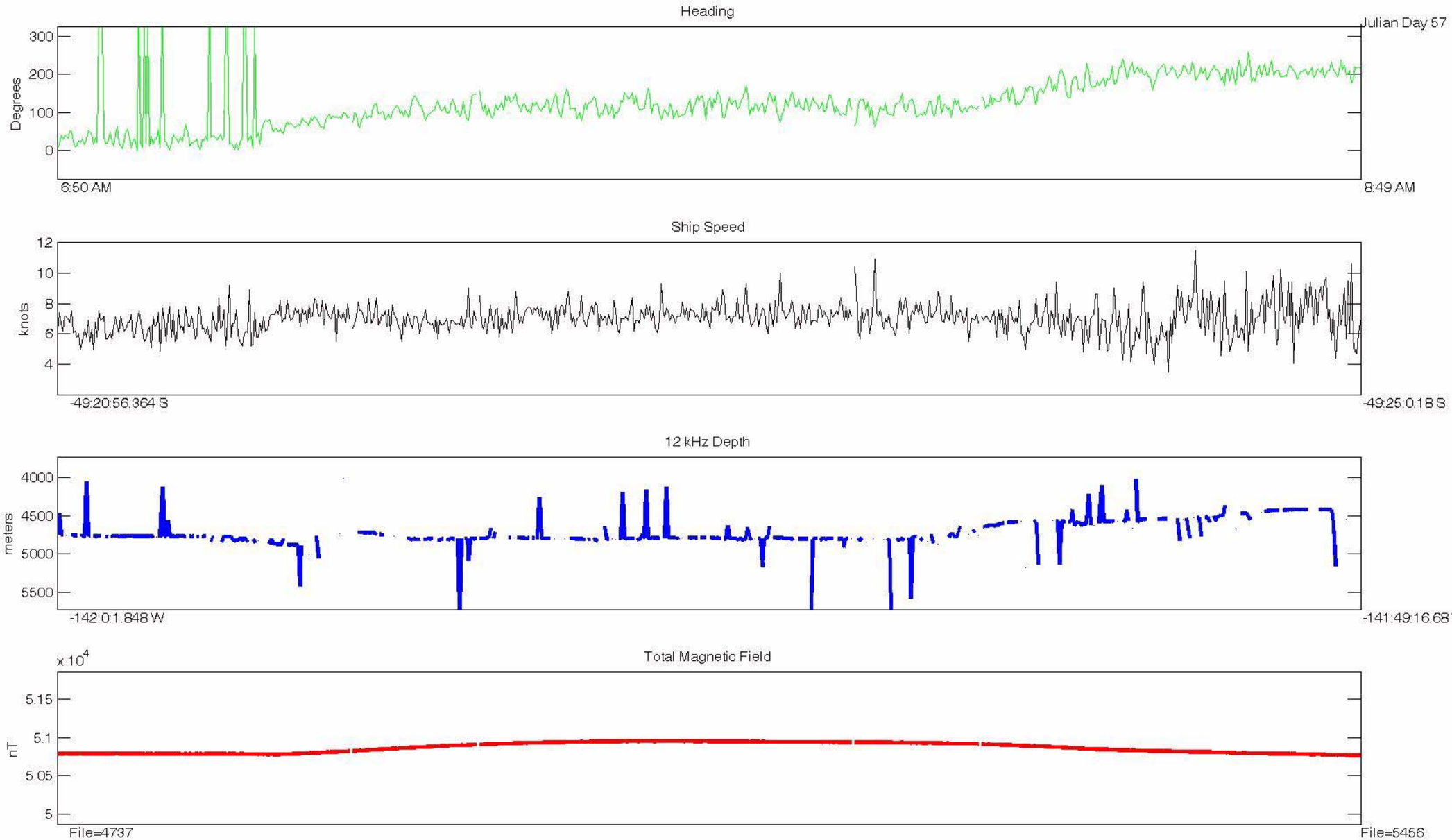

Cross Line 8
Cross Line 6
SOL 3
EOL 3
HOUR
JD
FFID
57
W
E
TUIM 3 Seismic
JD 57 sp-3a
6 km
Time (ms)
Two way travel time (ms)

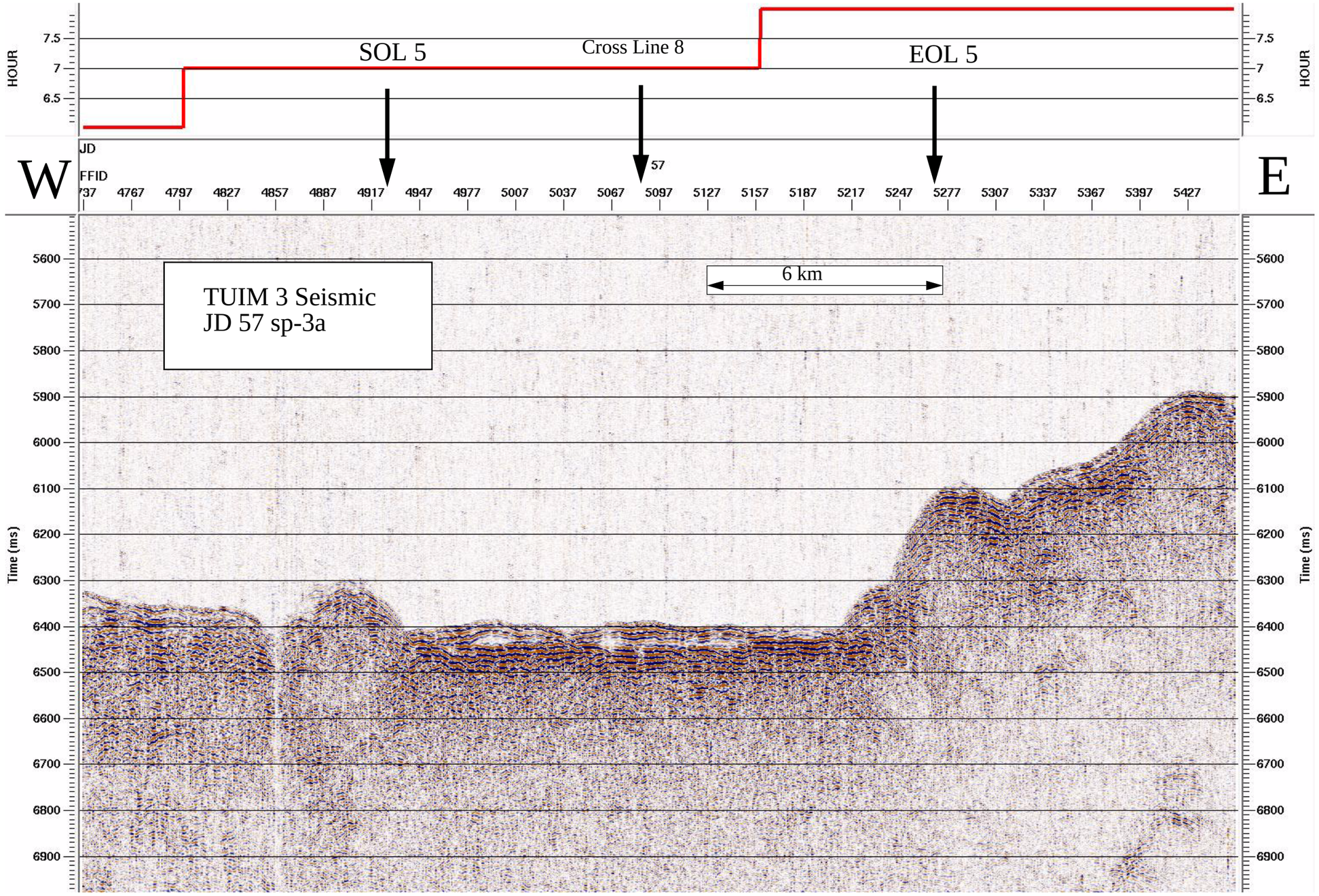
Data File SBfixavg.2005feb26.0600-1200

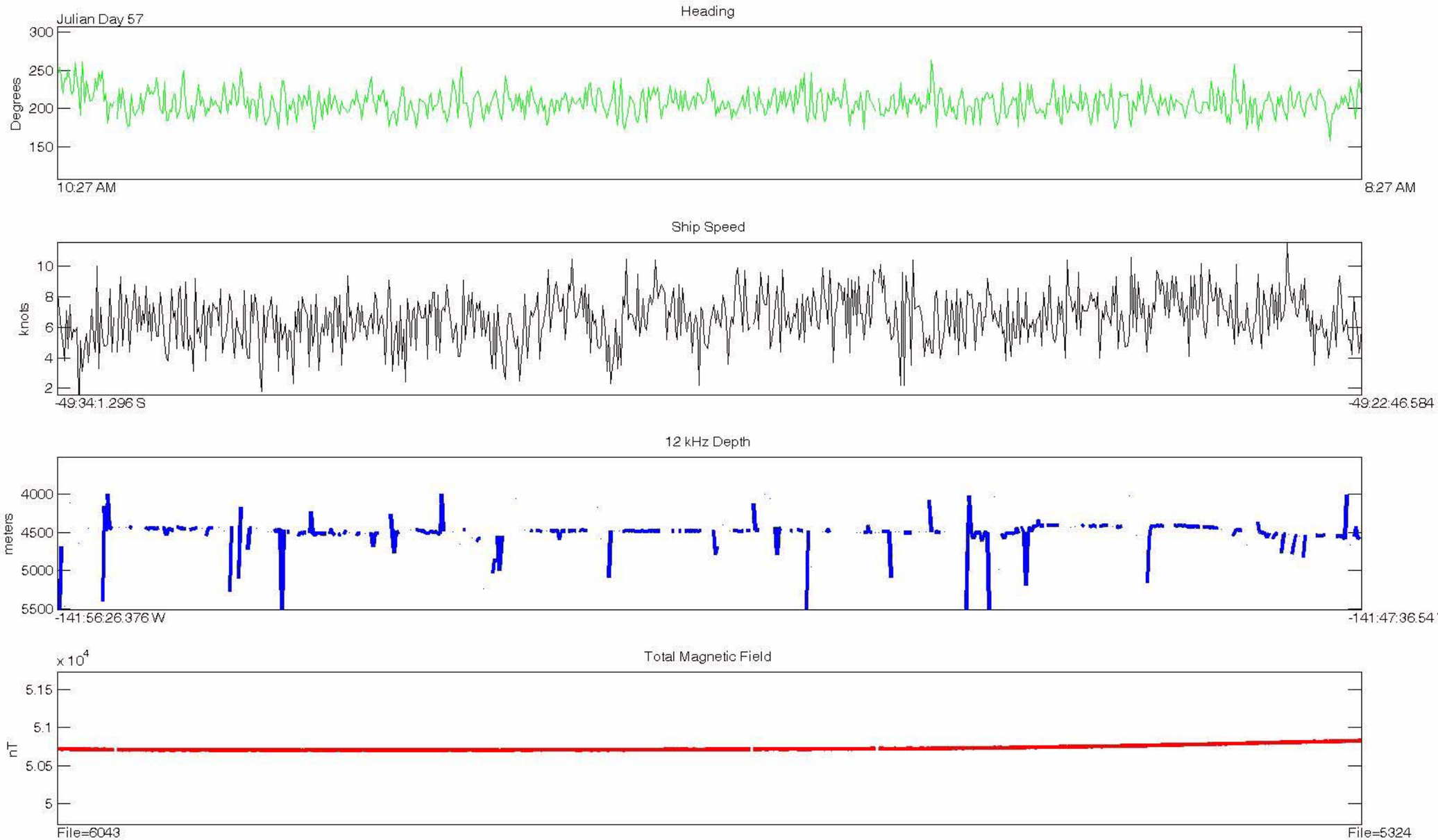


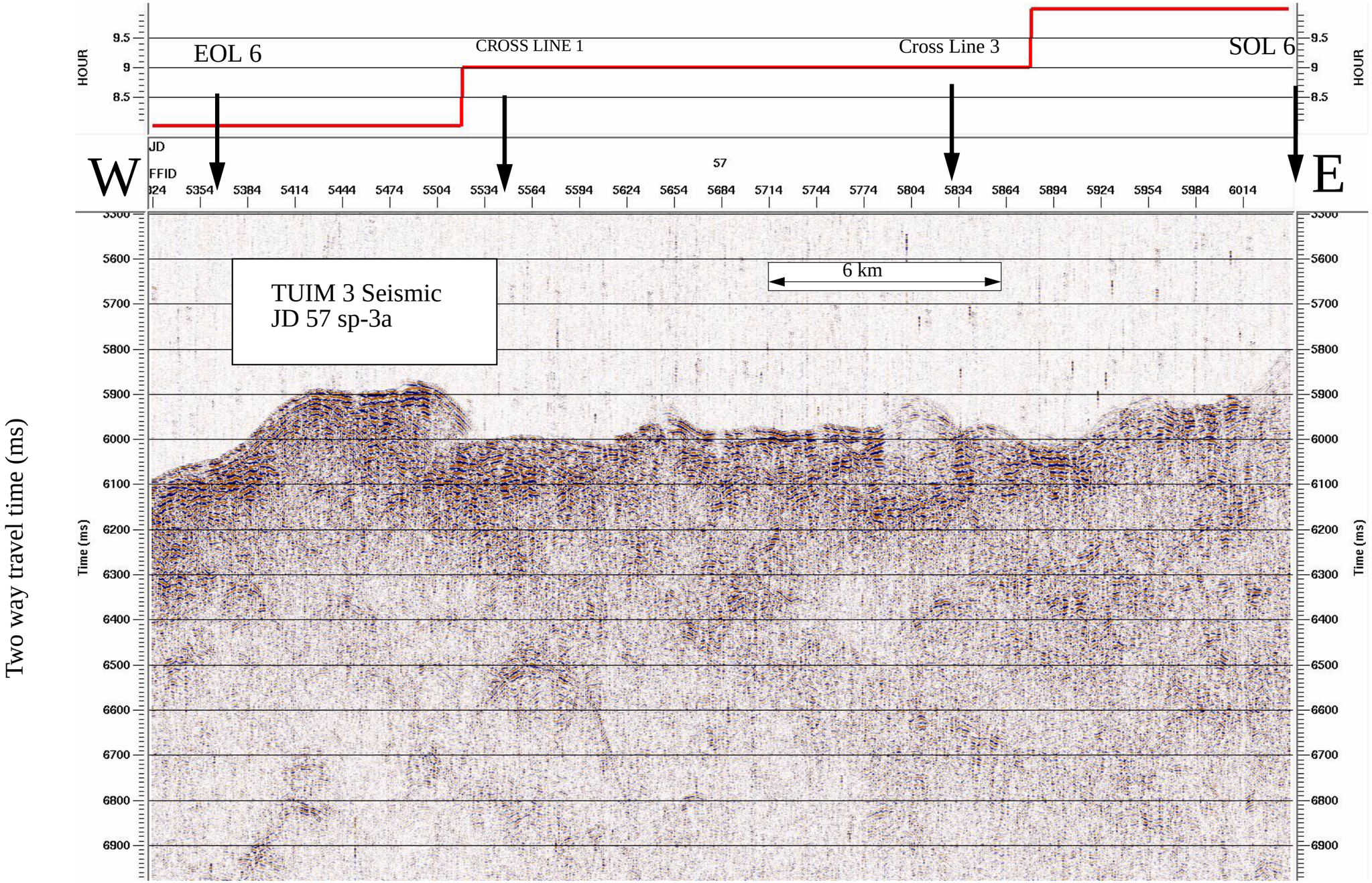

Heading
Julian Day 57
Degrees
200
100
0
-100
5:29 AM
7:29 AM
Ship Speed
knots
10
8
6
4
2
-49:28:9.672 S
-49:19:18.804 S
12 kHz Depth
meters
4000
4500
5000
5500
-142:3:14.424 W
-141:55:26.484 W
x 10^4
Total Magnetic Field
nT
5.15
5.1
5.05
5
File=4253
File=4972


SOL 4
Cross Line 1
EOL 4
HOUR
6.5
6
5.5
W
E
JD
FFID
57
253 4283 4313 4343 4373 4403 4433 4463 4493 4523 4553 4583 4613 4643 4673 4703 4733 4763 4793 4823 4853 4883 4913 4943
TUIM 3 Seismic
JD 57 sp-3a
6 km
Time (ms)
5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900
Two way travel time (ms)

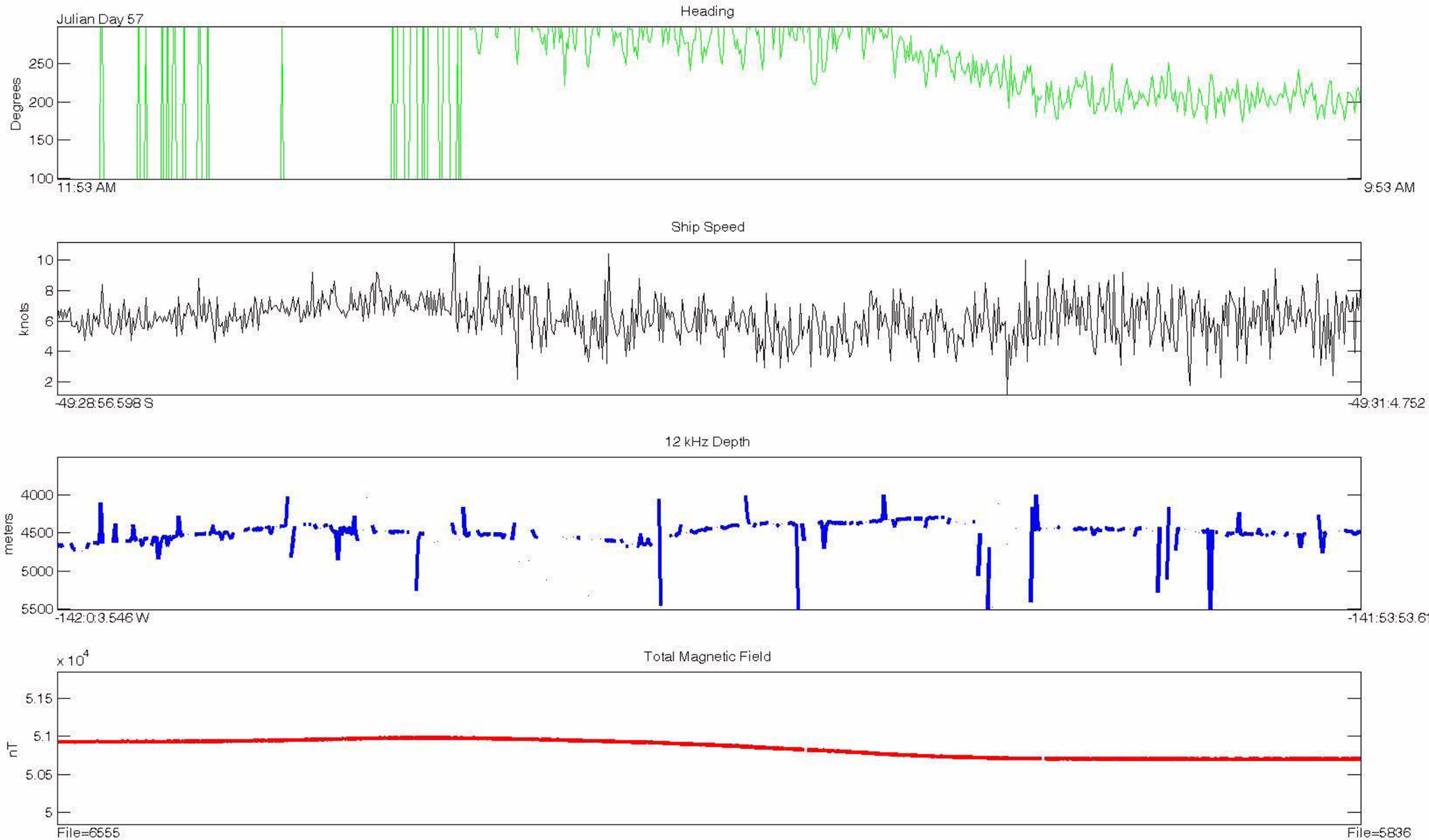

Heading
Julian Day 57
Degrees
300
200
100
0
6:50 AM
8:49 AM
Ship Speed
knots
12
10
8
6
4
-49:20:56.364 S
-49:25:0.18 S
12 kHz Depth
meters
4000
4500
5000
5500
-142:0:1.848 W
-141:49:16.68 W
Total Magnetic Field
x 10^4
nT
5.15
5.1
5.05
5
File=4737
File=5456

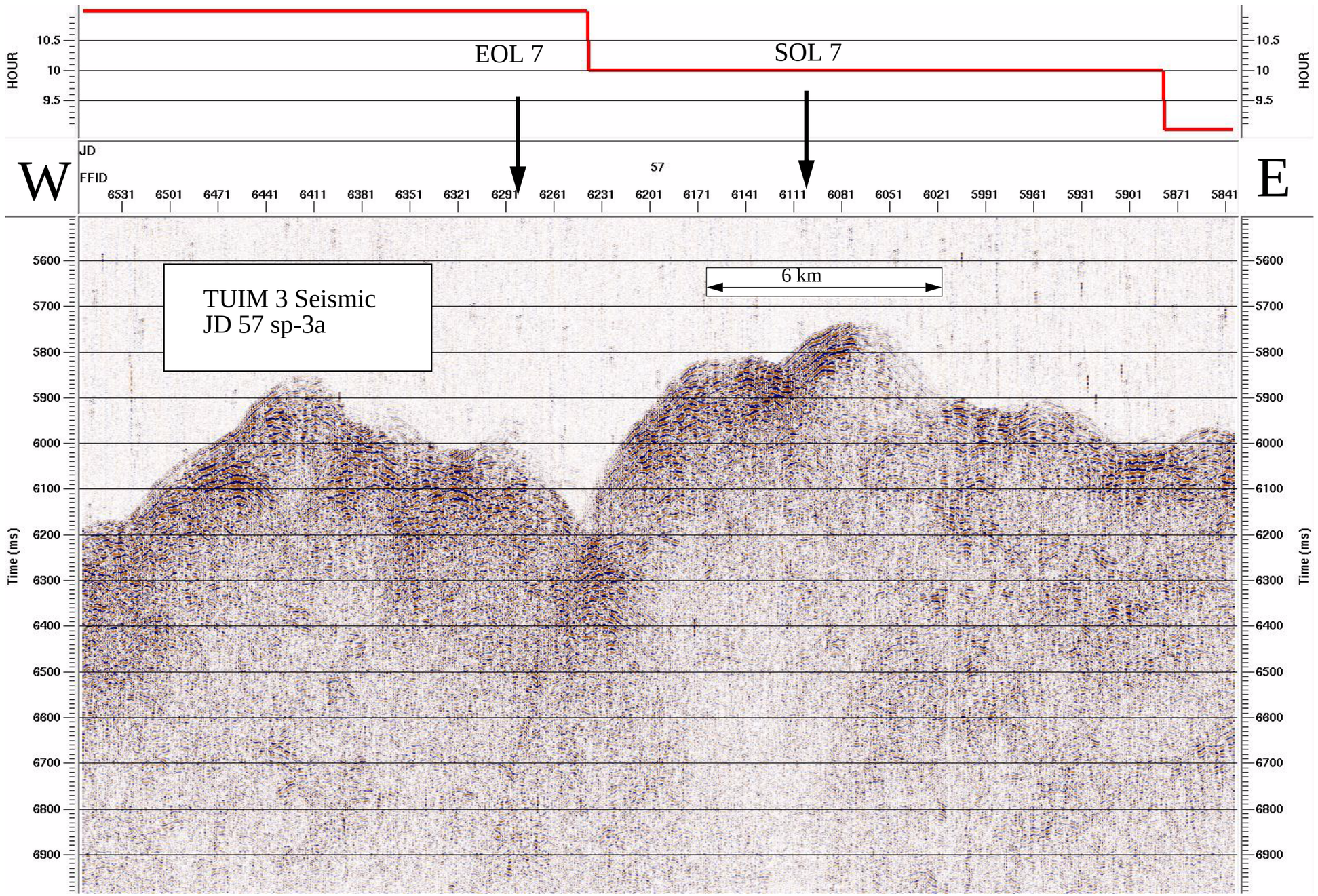

HOUR
7.5
7
6.5
SOL 5
Cross Line 8
EOL 5
W
E
JD
FFID
57
4737 4767 4797 4827 4857 4887 4917 4947 4977 5007 5037 5067 5097 5127 5157 5187 5217 5247 5277 5307 5337 5367 5397 5427
TUIM 3 Seismic
JD 57 sp-3a
6 km
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900
Two way travel time (ms)


Heading
Julian Day 57
Degrees
300
250
200
150
10:27 AM
8:27 AM
Ship Speed
knots
10
8
6
4
2
-49:34:1.296 S
-49:22:46.584 S
12 kHz Depth
meters
4000
4500
5000
5500
-141:56:26.376 W
-141:47:36.54 W
Total Magnetic Field
x 10^4
nT
5.15
5.1
5.05
5
File=6043
File=5324



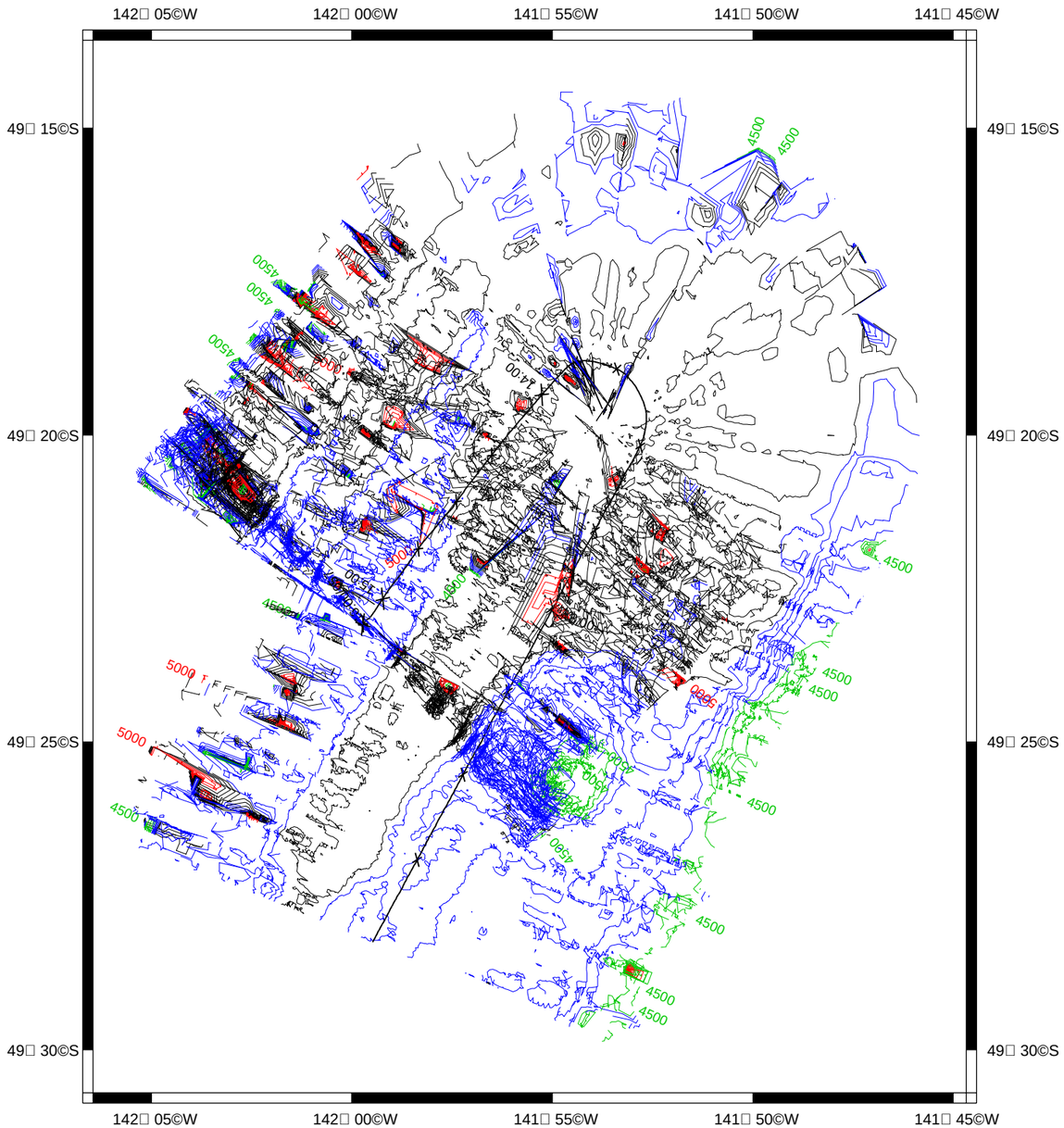
Two way travel time (ms)

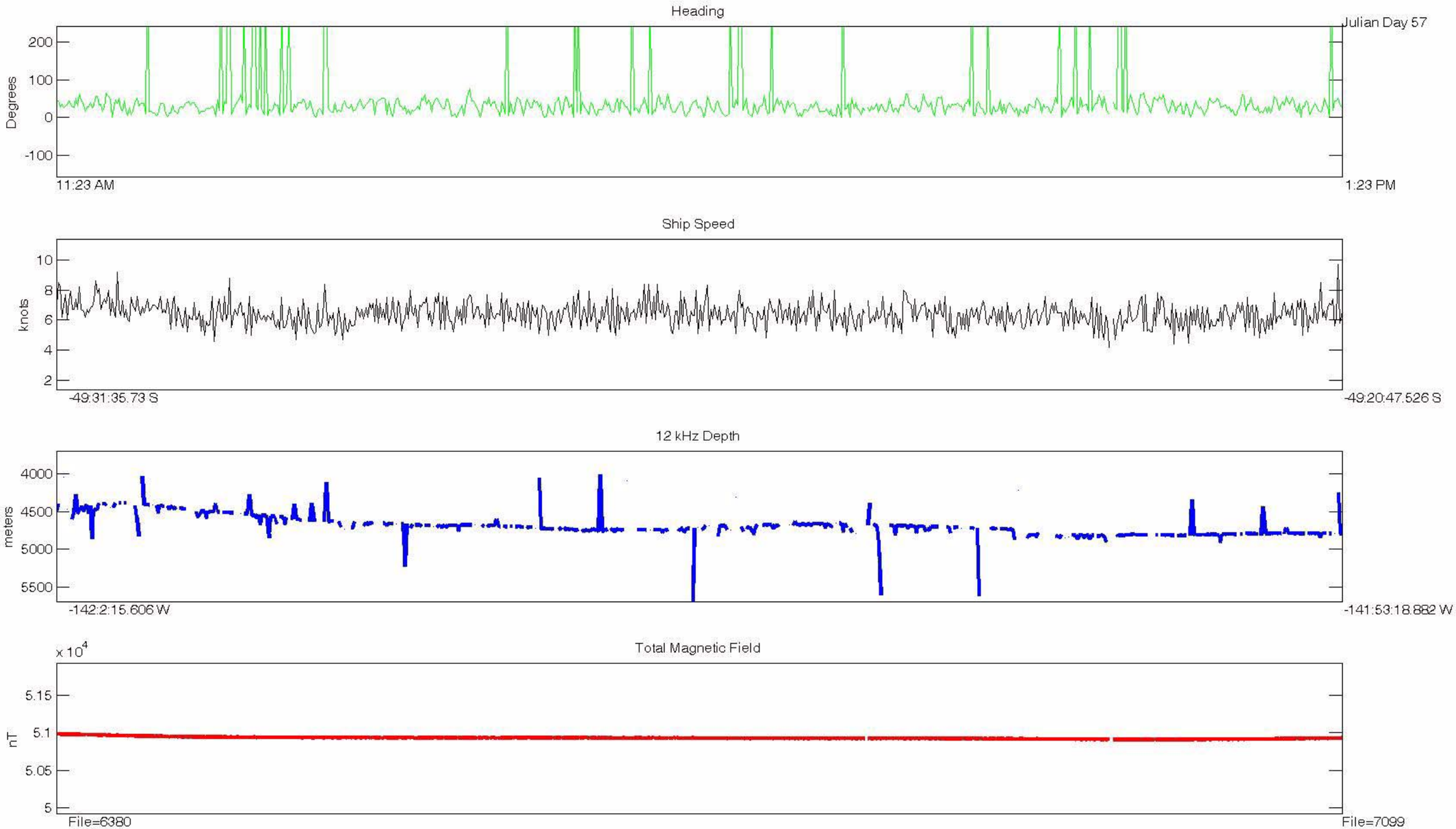

Heading
Julian Day 57
Degrees
250
200
150
100
11:53 AM
9:53 AM
Ship Speed
knots
10
8
6
4
2
-49:28:56.598 S
-49:31:4.752 S
12 kHz Depth
meters
4000
4500
5000
5500
-142:0:3.546 W
-141:53:53.616 W
Total Magnetic Field
x 10^4
nT
5.15
5.1
5.05
5
File=6555
File=5836

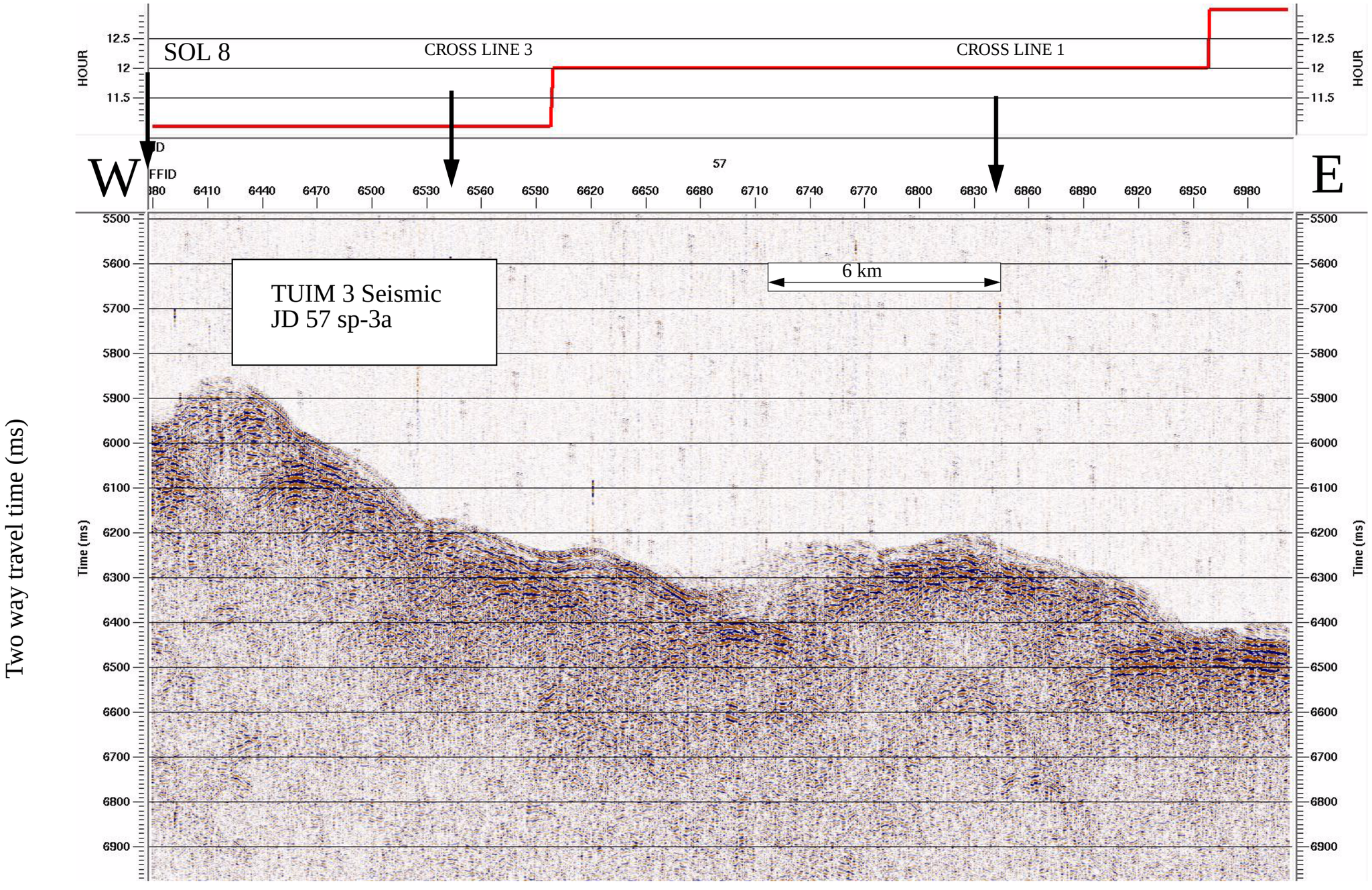


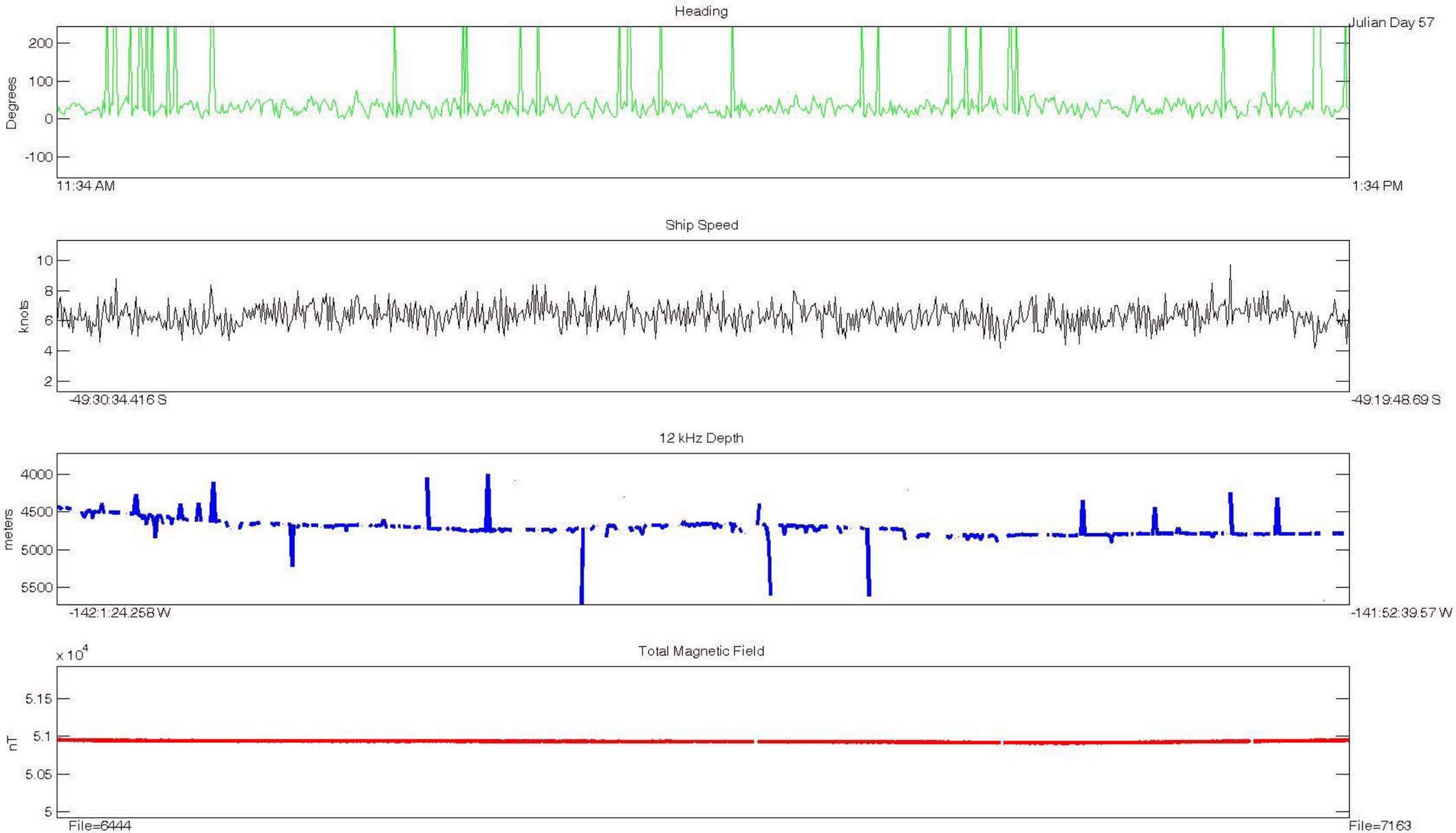
Two way travel time (ms)

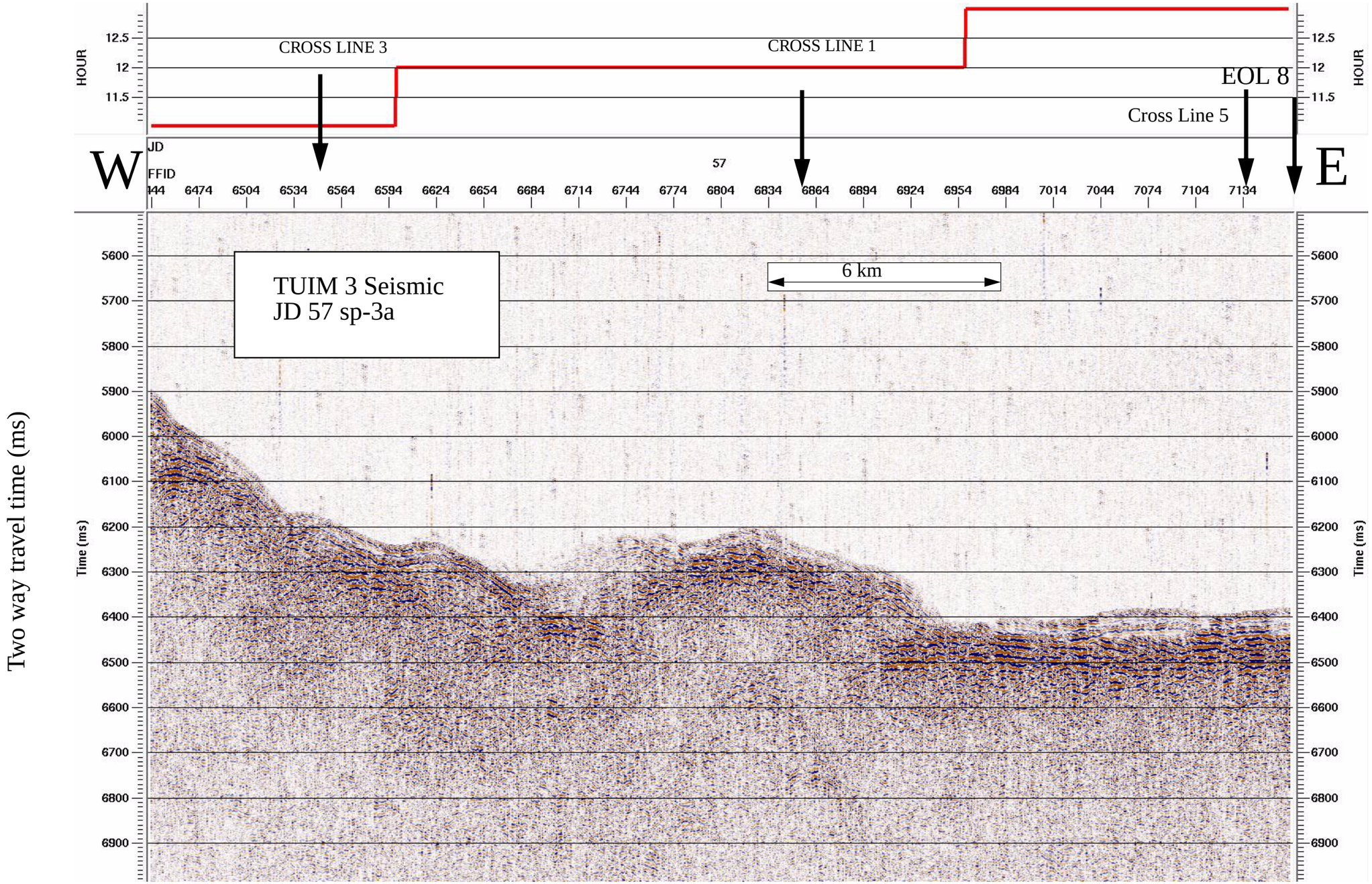
Data File SBfixavg.2005feb26.1200-1800




Heading
Julian Day 57
Degrees
200
100
0
-100
11:23 AM
1:23 PM
Ship Speed
knots
10
8
6
4
2
-49:31:35.73 S
-49:20:47.526 S
12 kHz Depth
meters
4000
4500
5000
5500
-142:2:15.606 W
-141:53:18.882 W
x 10^4
Total Magnetic Field
nT
5.15
5.1
5.05
5
File=6380
File=7099

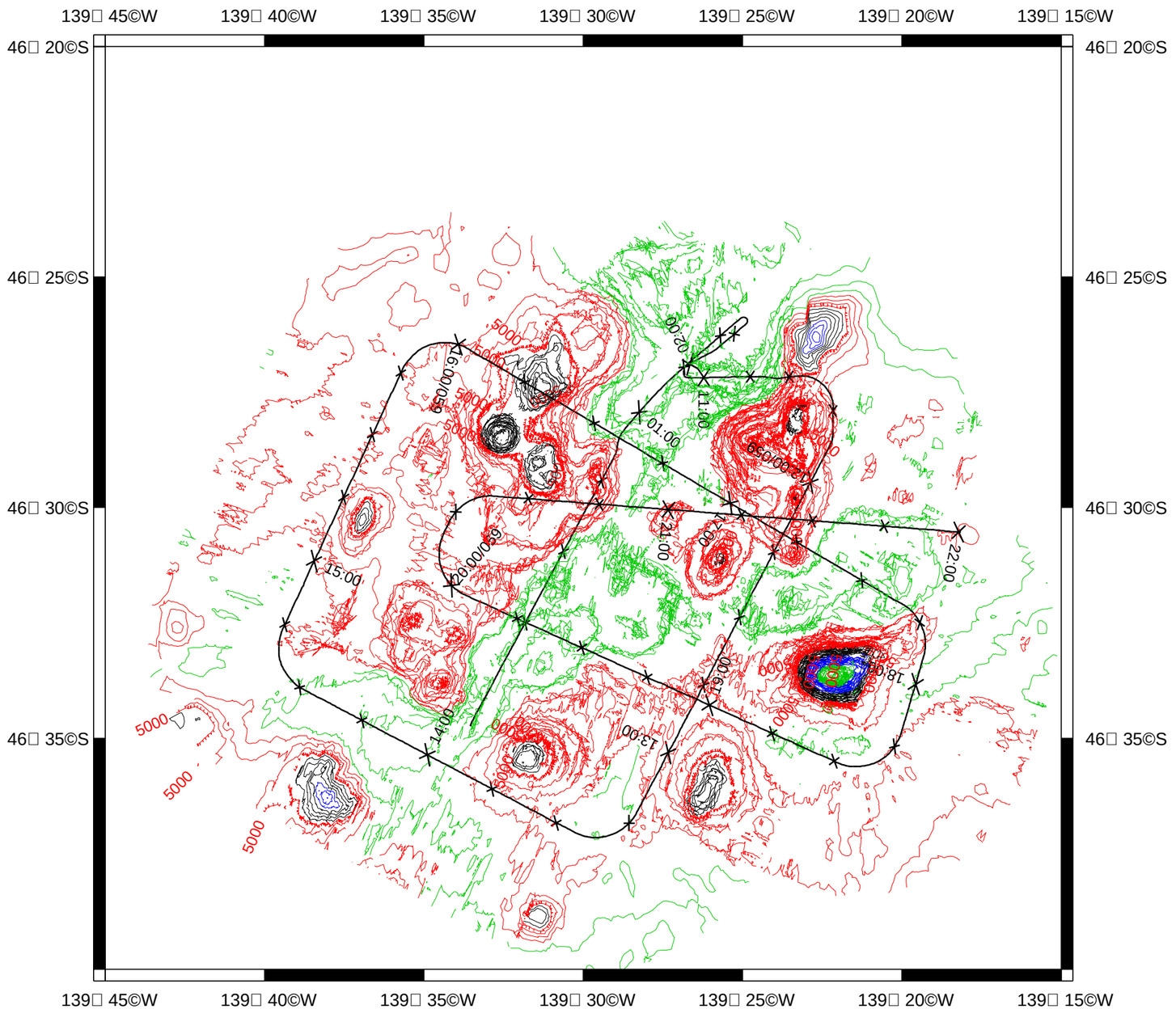

SOL 8
CROSS LINE 3
CROSS LINE 1
HOUR
12.5
12
11.5
W
E
57
FFID
6410 6440 6470 6500 6530 6560 6590 6620 6650 6680 6710 6740 6770 6800 6830 6860 6890 6920 6950 6980
TUIM 3 Seismic
JD 57 sp-3a
6 km
Time (ms)
5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900
Two way travel time (ms)

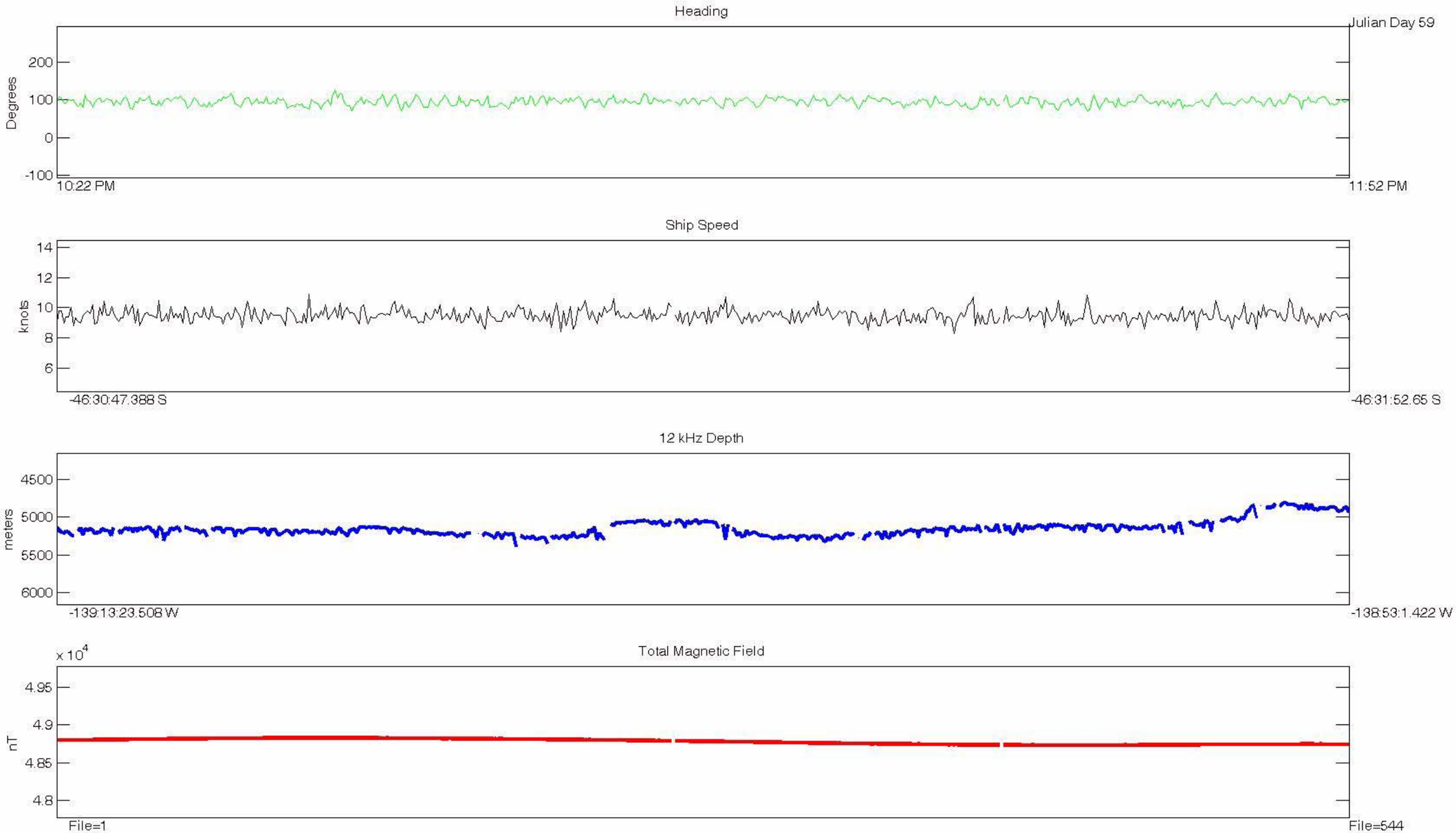

Heading
Julian Day 57
Degrees
200
100
0
-100
11:34 AM
1:34 PM
Ship Speed
knots
10
8
6
4
2
-49:30:34.416 S
-49:19:48.69 S
12 kHz Depth
meters
4000
4500
5000
5500
-142:1:24.258 W
-141:52:39.57 W
x 10^4
Total Magnetic Field
nT
5.15
5.1
5.05
5
File=6444
File=7163

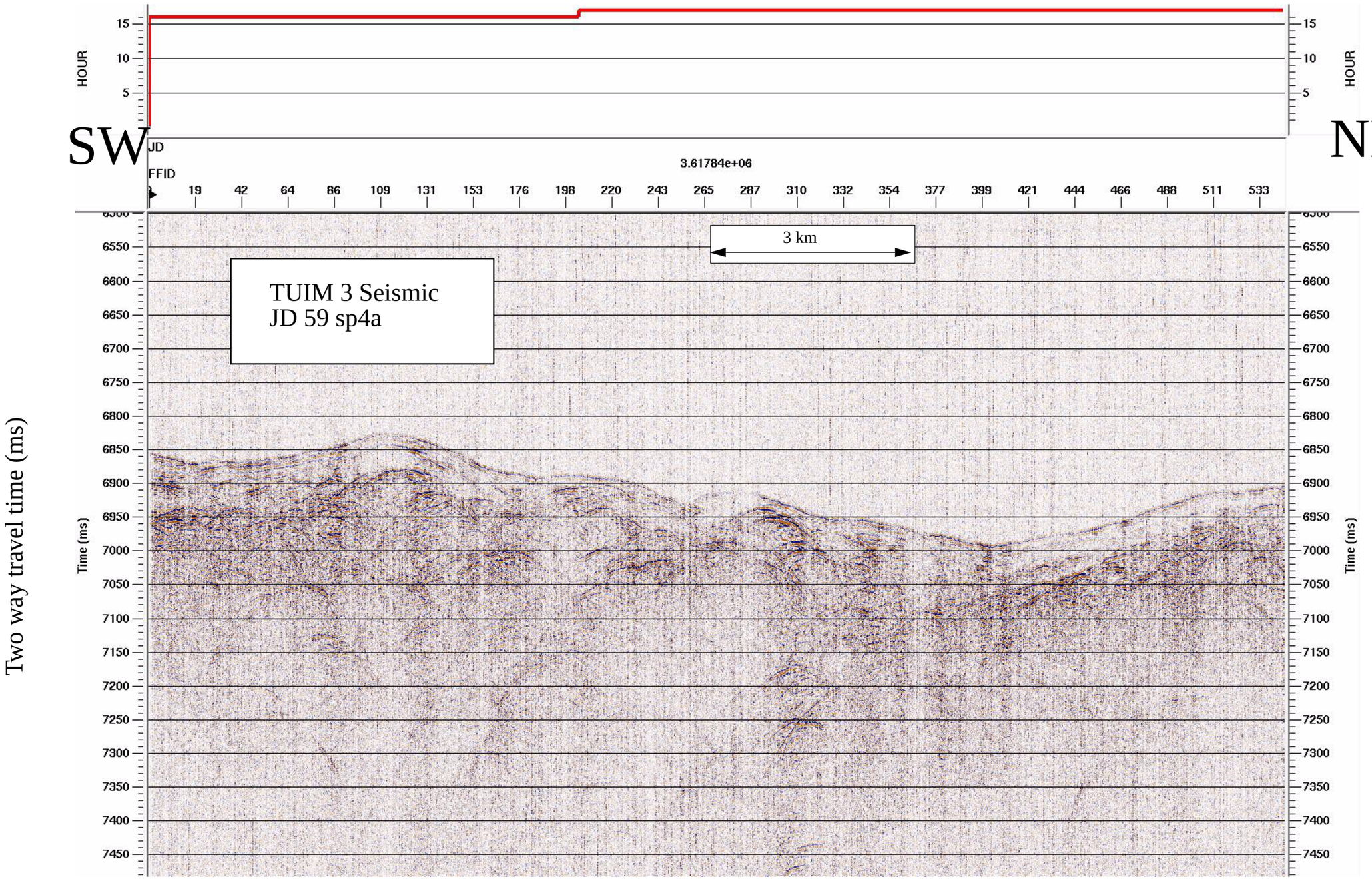

CROSS LINE 3
CROSS LINE 1
EOL 8
Cross Line 5
HOUR
12.5
12
11.5
W
E
JD
57
FFID
6444
6474
6504
6534
6564
6594
6624
6654
6684
6714
6744
6774
6804
6834
6864
6894
6924
6954
6984
7014
7044
7074
7104
7134
TUIM 3 Seismic
JD 57 sp-3a
6 km
Time (ms)
5600
5700
5800
5900
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
Two way travel time (ms)

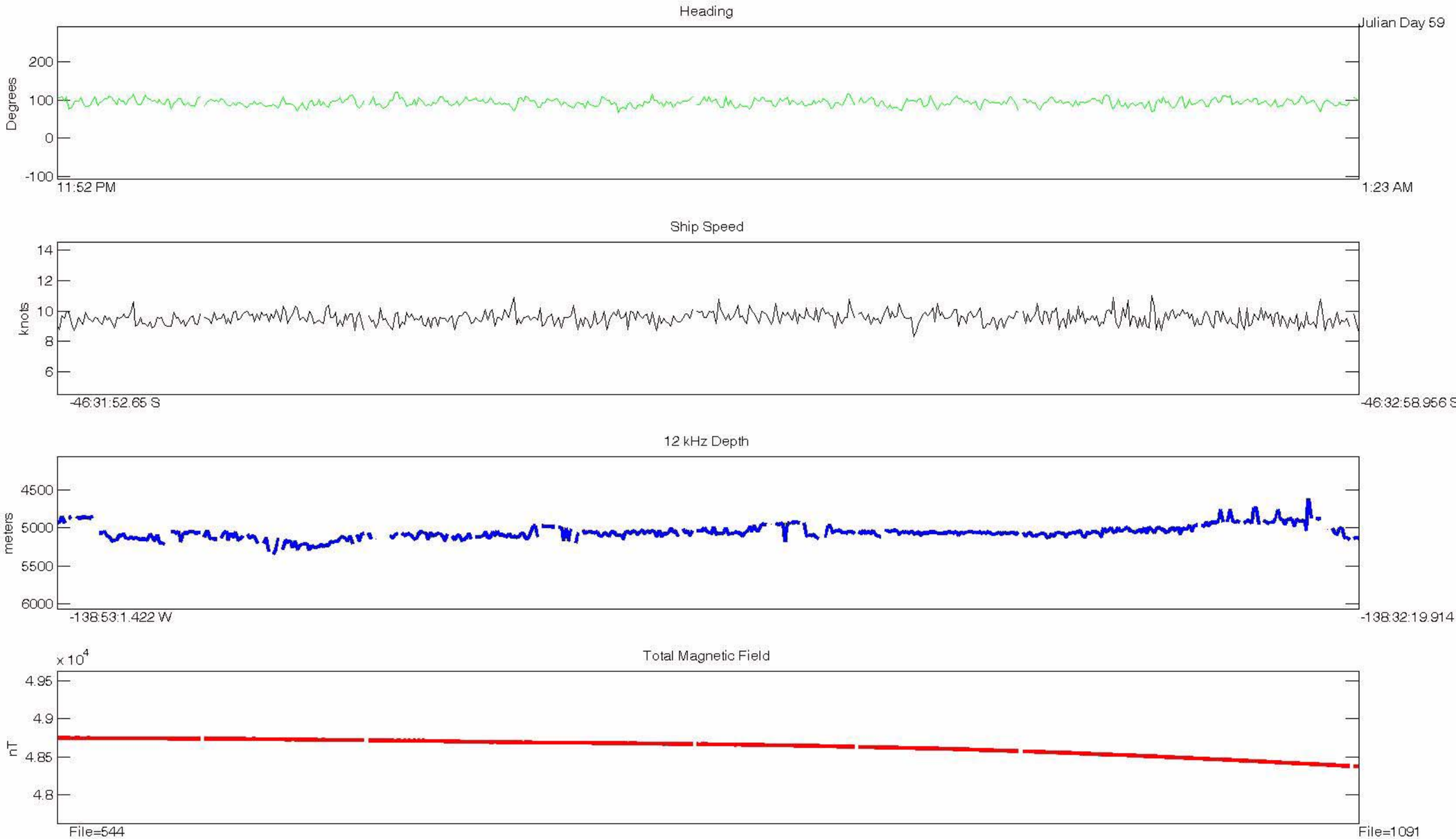
Julian Day 58
27 February 2005
150 c.i GI gun Source,
4-channel SIO streamer
and 24-channel streamer
(6 knot section)

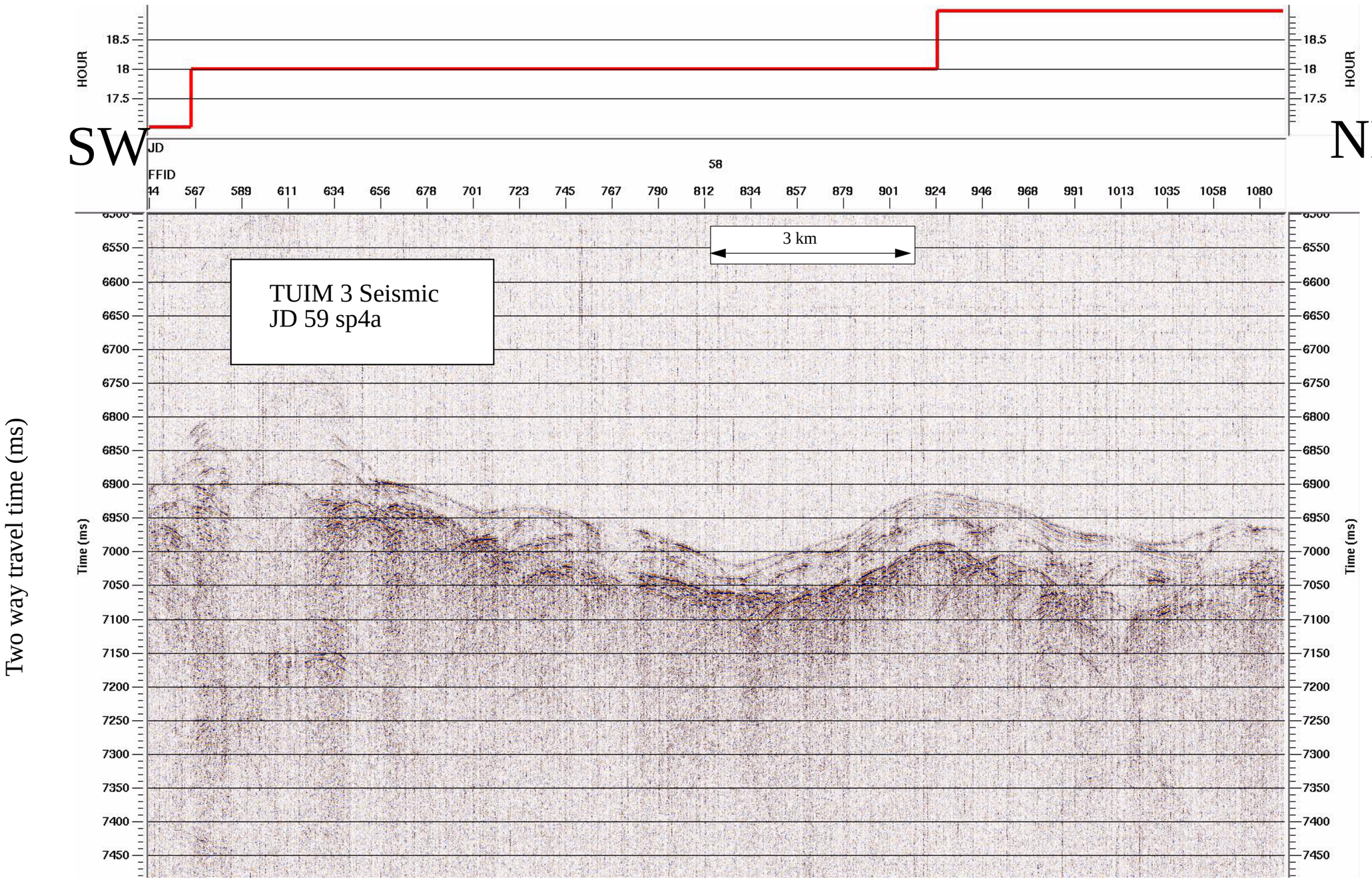
Data File SBfixavg.2005feb28.cutp.mb32

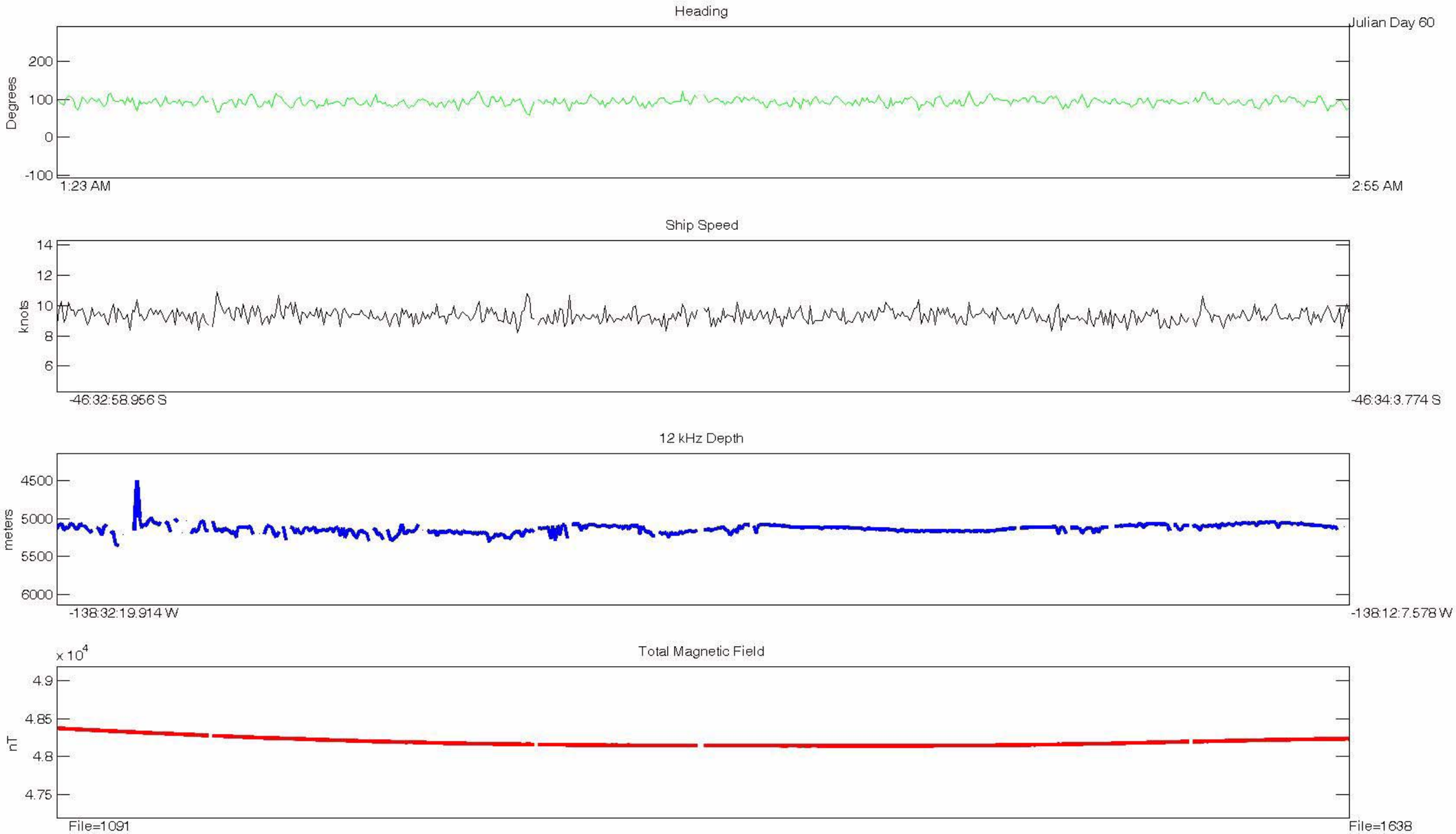


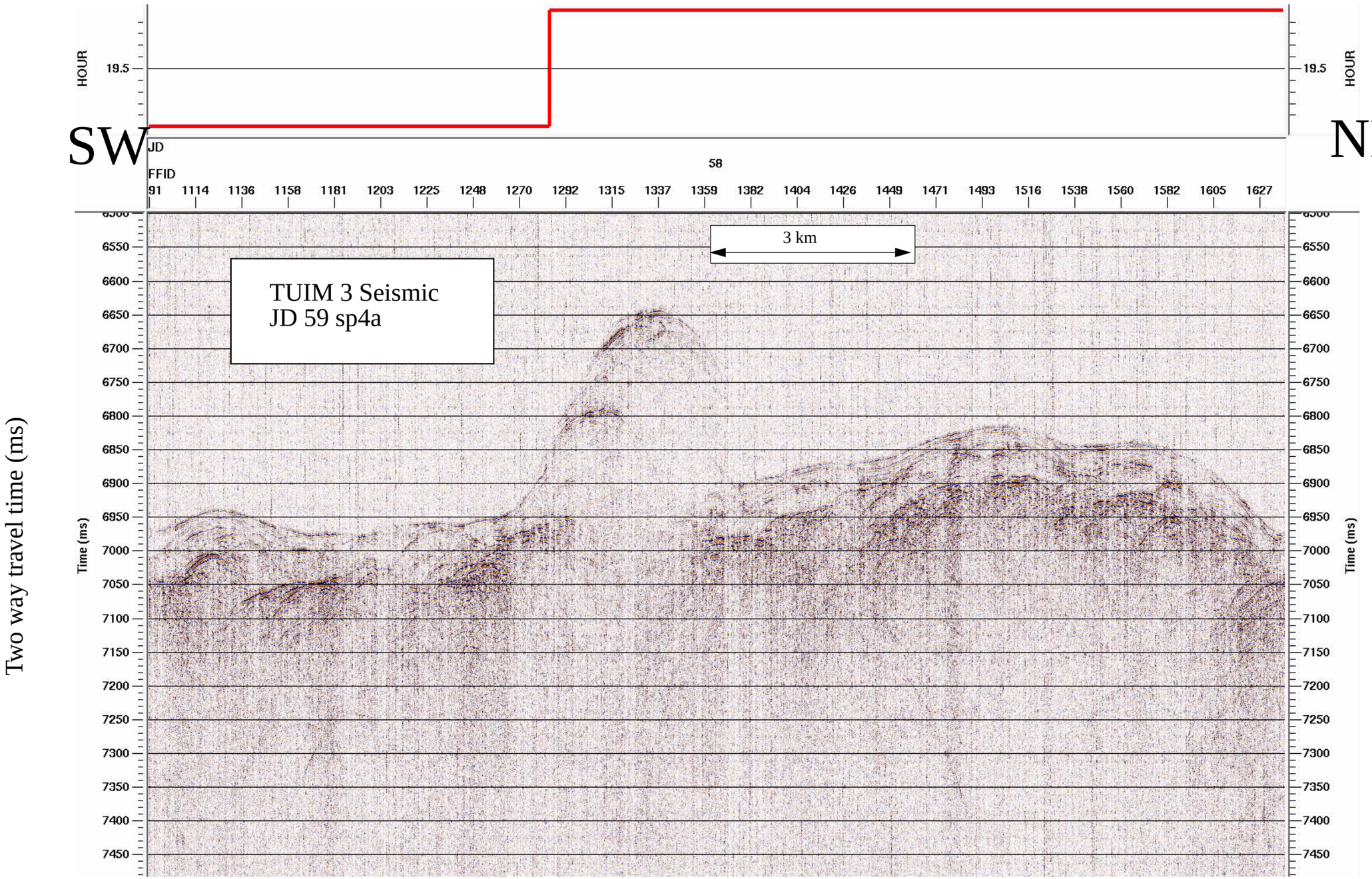

Heading
Julian Day 59
Degrees
200
100
0
-100
10:22 PM
11:52 PM
Ship Speed
knots
14
12
10
8
6
-46:30:47.388 S
-46:31:52.65 S
12 kHz Depth
meters
4500
5000
5500
6000
-139:13:23.508 W
-138:53:1.422 W
Total Magnetic Field
x 10^4
nT
4.95
4.9
4.85
4.8
File=1
File=544

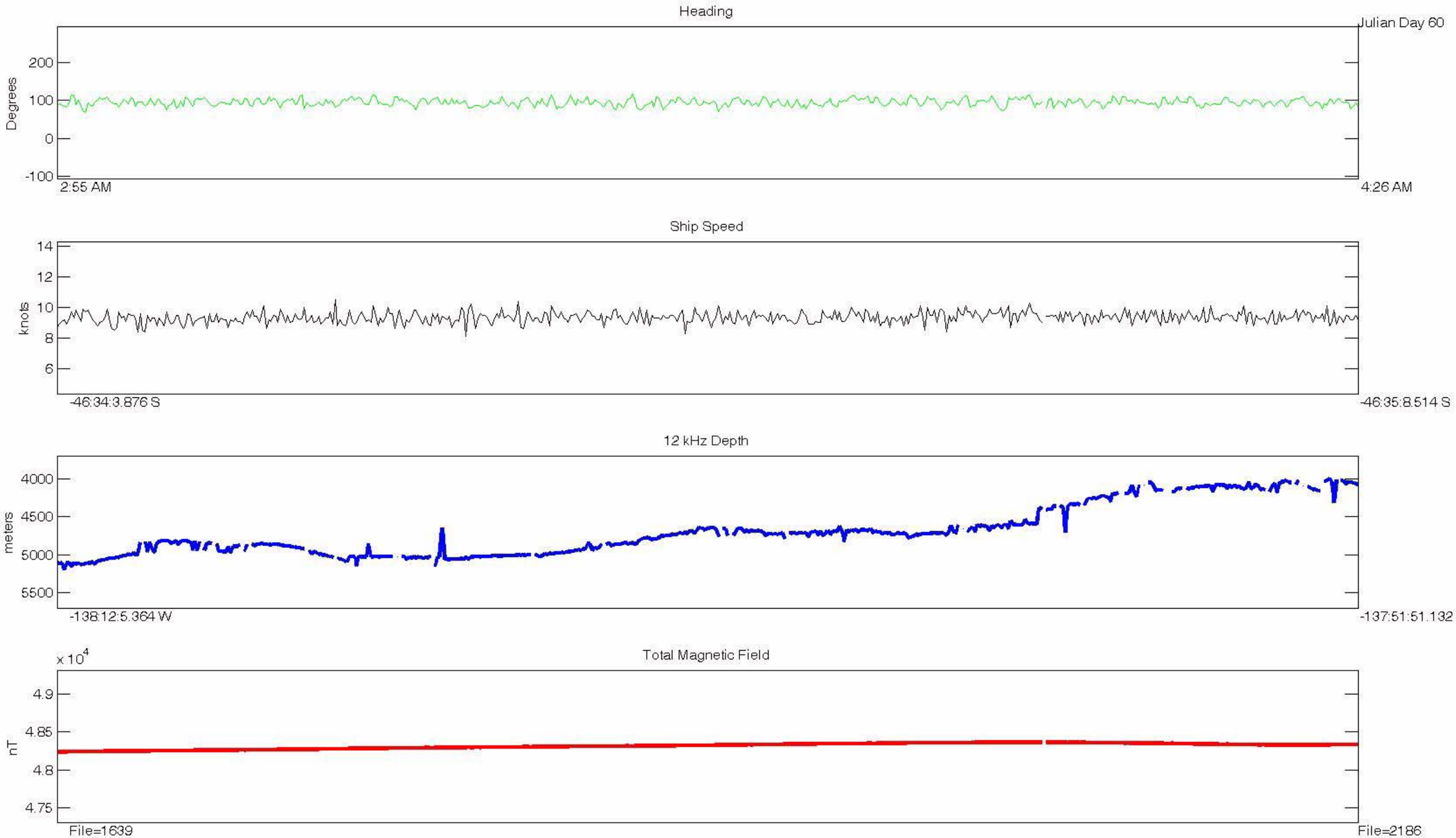

SW
NE
HOUR
JD
FFID
3.61784e+06
3 km
TUIM 3 Seismic
JD 59 sp4a
Time (ms)
Two way travel time (ms)

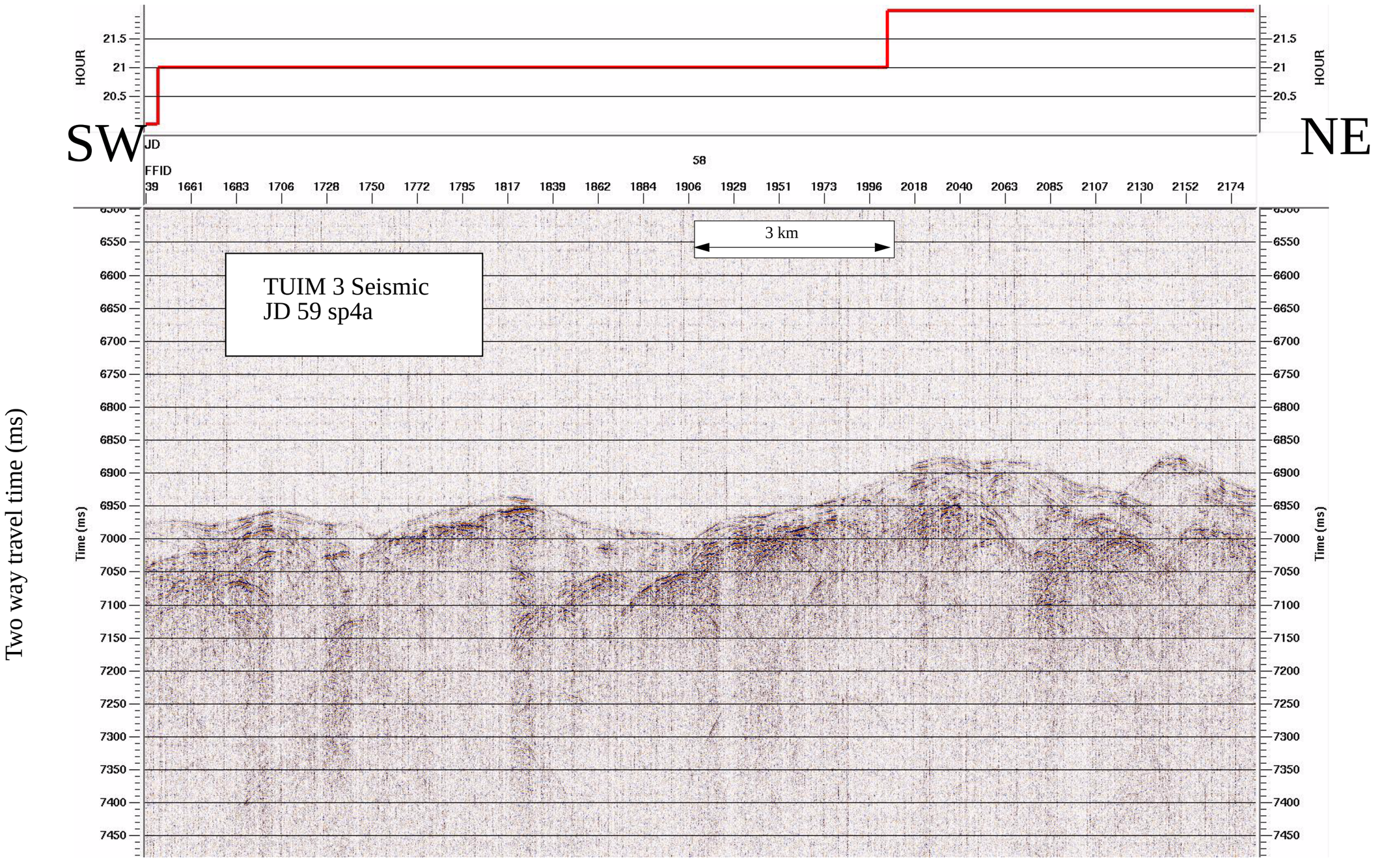

Heading
Julian Day 59
Degrees
200
100
0
-100
11:52 PM
1:23 AM
Ship Speed
knots
14
12
10
8
6
-46:31:52.65 S
-46:32:58.956 S
12 kHz Depth
meters
4500
5000
5500
6000
-138:53:1.422 W
-138:32:19.914 W
Total Magnetic Field
x 10^4
nT
4.95
4.9
4.85
4.8
File=544
File=1091

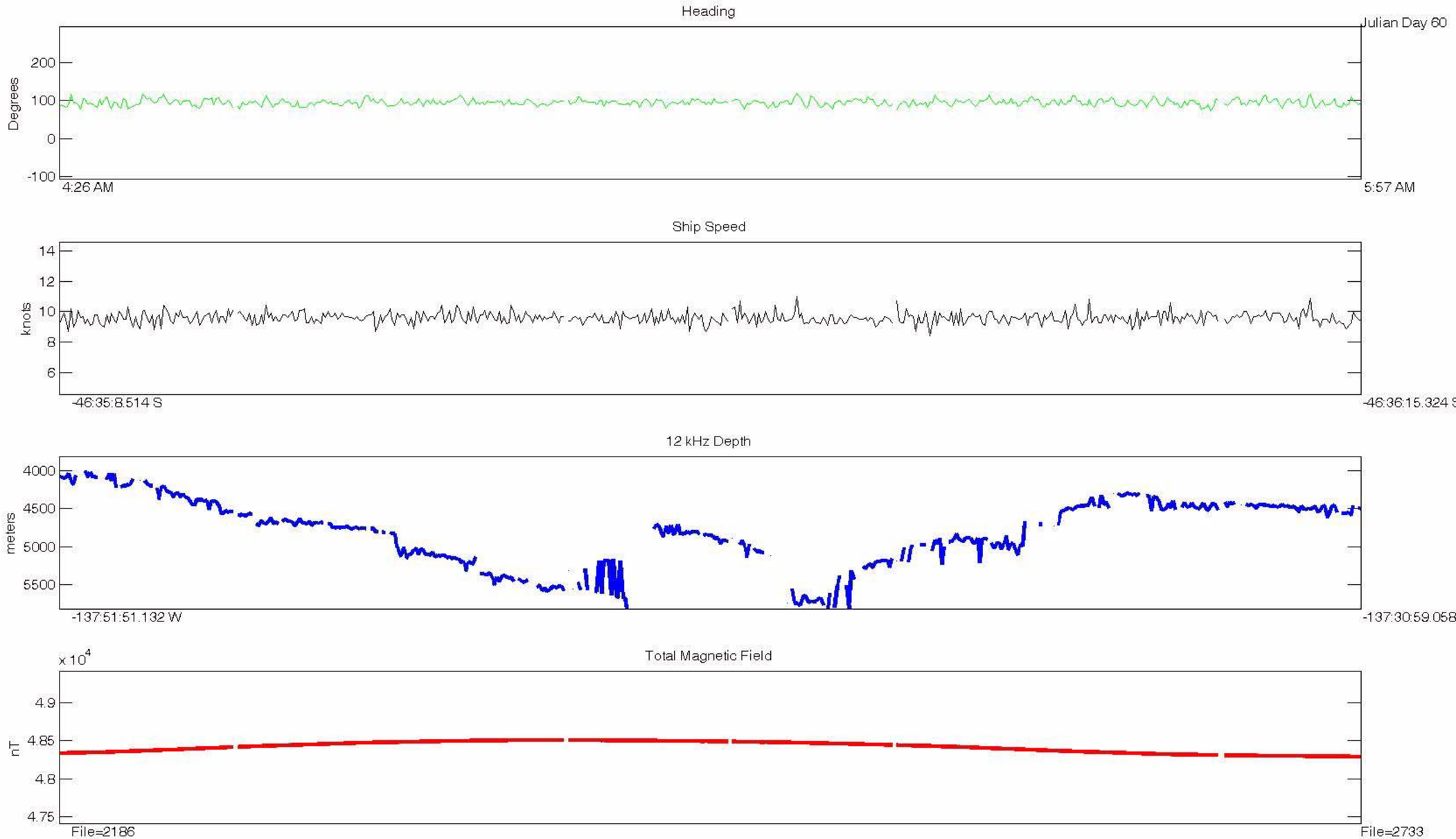

SW
NE
HOUR
18.5
18
17.5
JD
58
FFID
44 567 589 611 634 656 678 701 723 745 767 790 812 834 857 879 901 924 946 968 991 1013 1035 1058 1080
3 km
TUIM 3 Seismic
JD 59 sp4a
Time (ms)
6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300 7350 7400 7450
Two way travel time (ms)

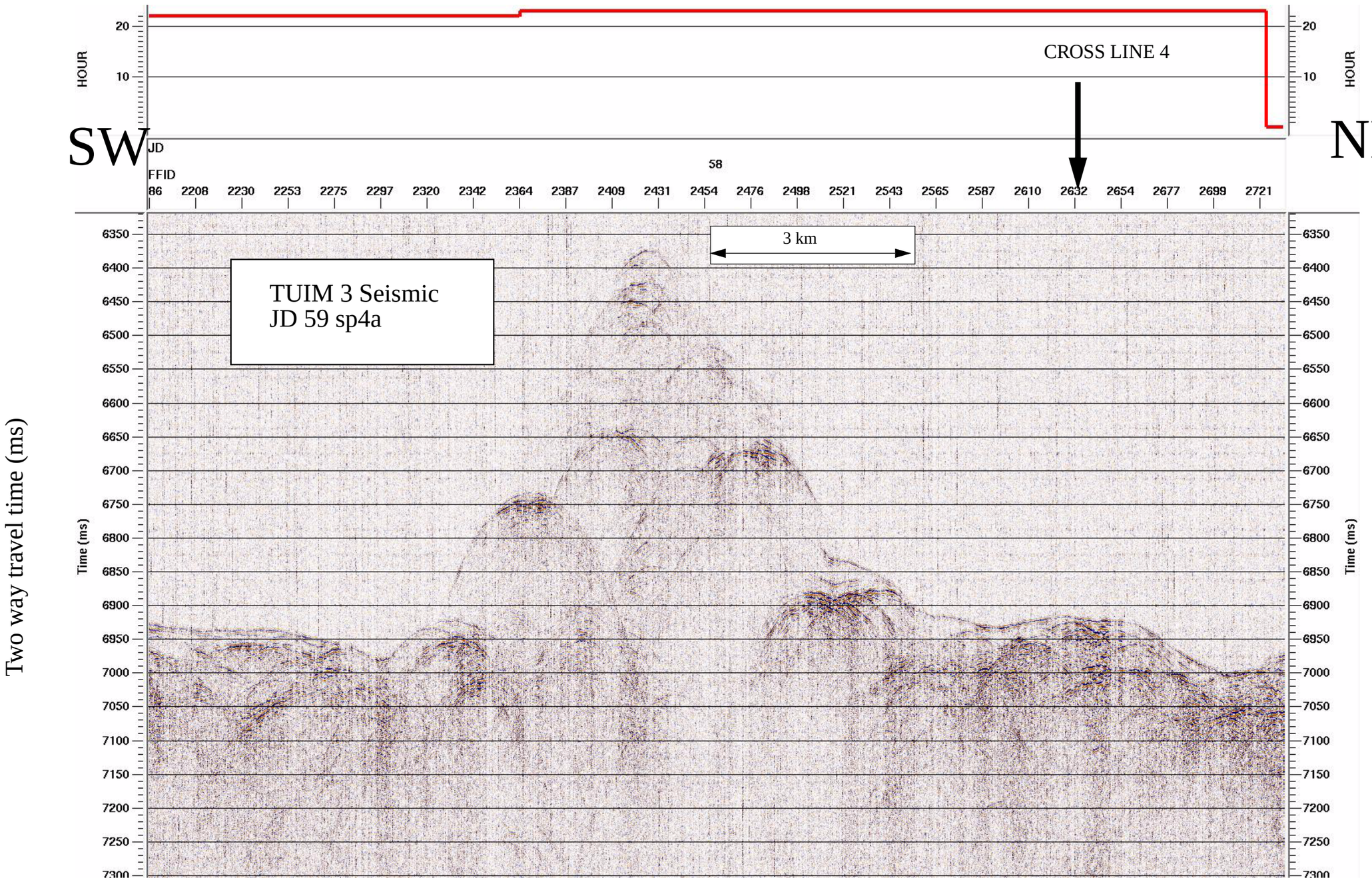

Heading
Julian Day 60
Degrees
200
100
0
-100
1:23 AM
2:55 AM
Ship Speed
knots
14
12
10
8
6
-46:32:58.956 S
-46:34:3.774 S
12 kHz Depth
meters
4500
5000
5500
6000
-138:32:19.914 W
-138:12:7.578 W
x 10^4
Total Magnetic Field
nT
4.9
4.85
4.8
4.75
File=1091
File=1638

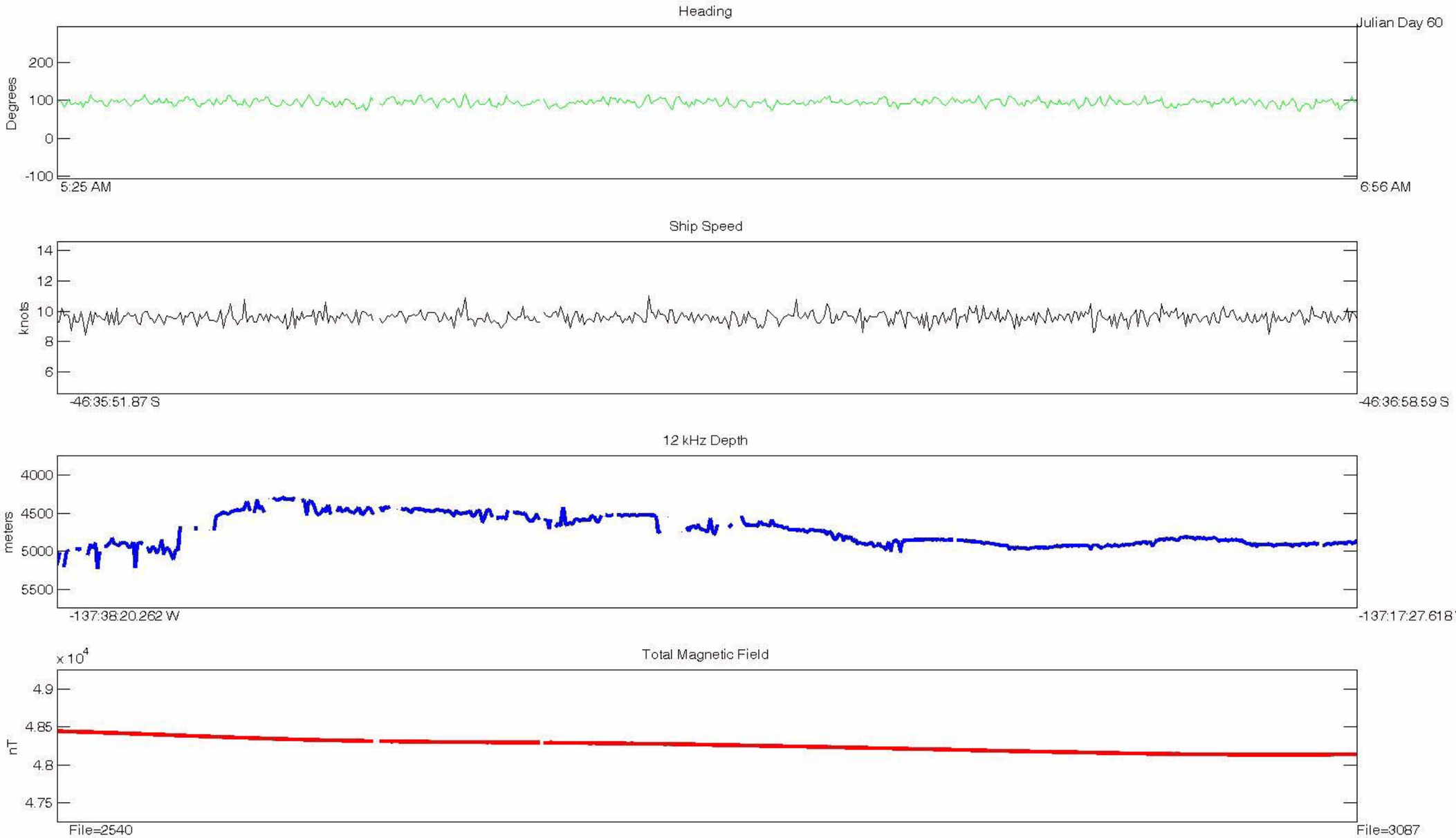

SW
NE
HOUR
19.5
JD
58
FFID
91 1114 1136 1158 1181 1203 1225 1248 1270 1292 1315 1337 1359 1382 1404 1426 1449 1471 1493 1516 1538 1560 1582 1605 1627
3 km
TUIM 3 Seismic
JD 59 sp4a
Time (ms)
6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300 7350 7400 7450
Two way travel time (ms)

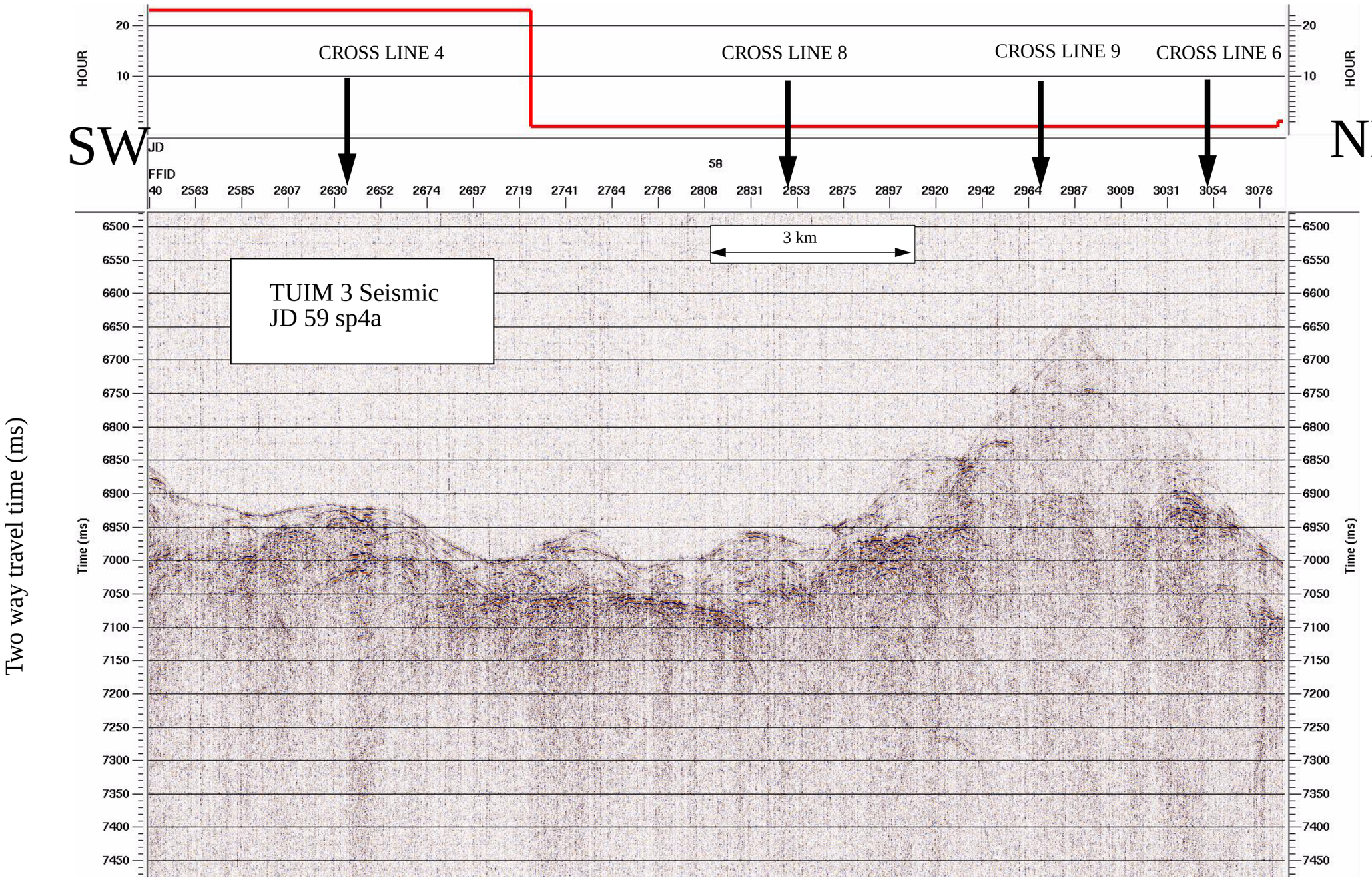

Heading
Julian Day 60
Degrees
200
100
0
-100
2:55 AM
4:26 AM
Ship Speed
knots
14
12
10
8
6
-46:34:3.876 S
-46:35:8.514 S
12 kHz Depth
meters
4000
4500
5000
5500
-138:12:5.364 W
-137:51:51.132 W
x 10^4
Total Magnetic Field
nT
4.9
4.85
4.8
4.75
File=1639
File=2186

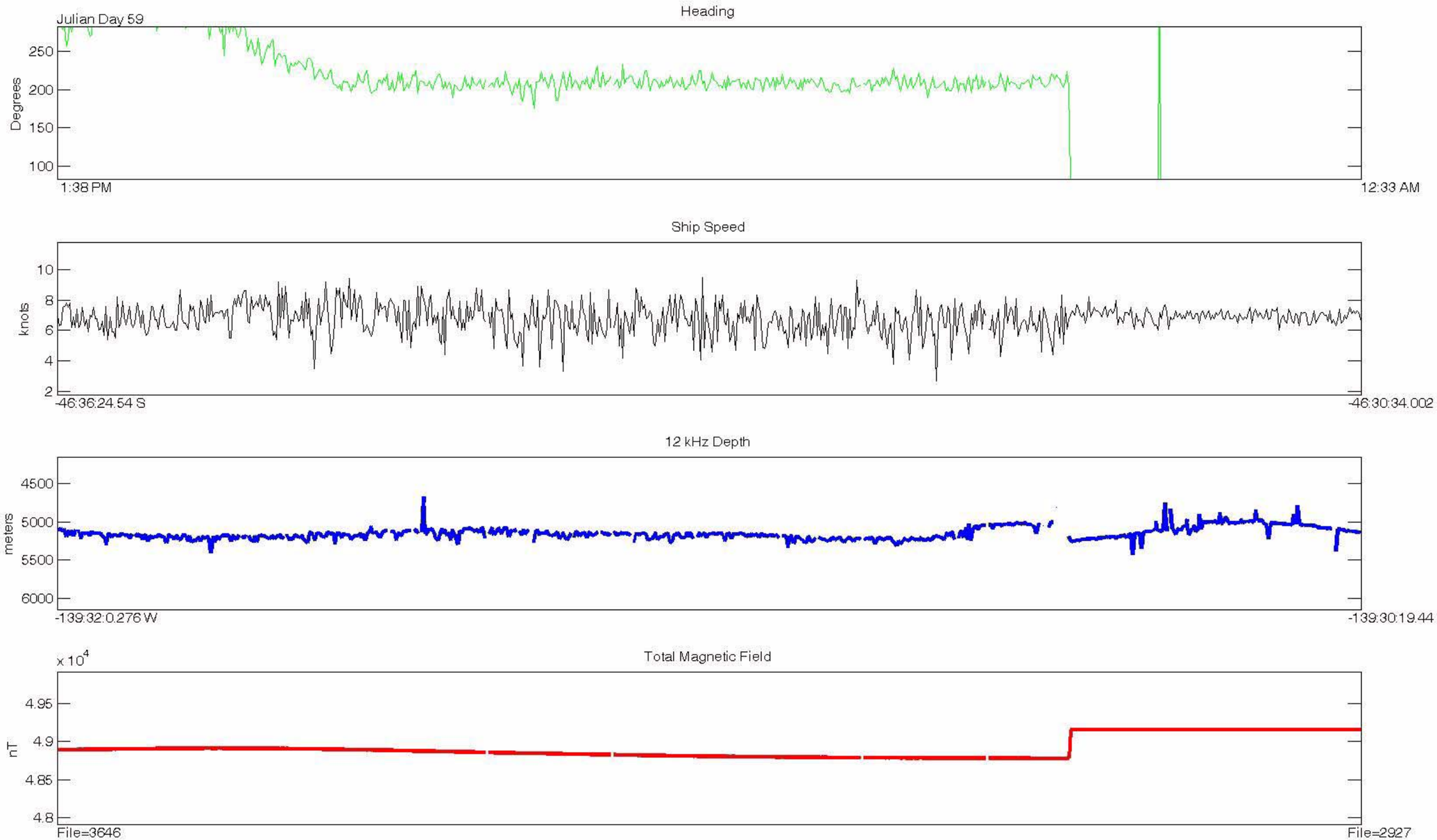

SW
NE
HOUR
21.5
21
20.5
JD
58
FFID
39 1661 1683 1706 1728 1750 1772 1795 1817 1839 1862 1884 1906 1929 1951 1973 1996 2018 2040 2063 2085 2107 2130 2152 2174
3 km
TUIM 3 Seismic
JD 59 sp4a
Time (ms)
6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300 7350 7400 7450
Two way travel time (ms)

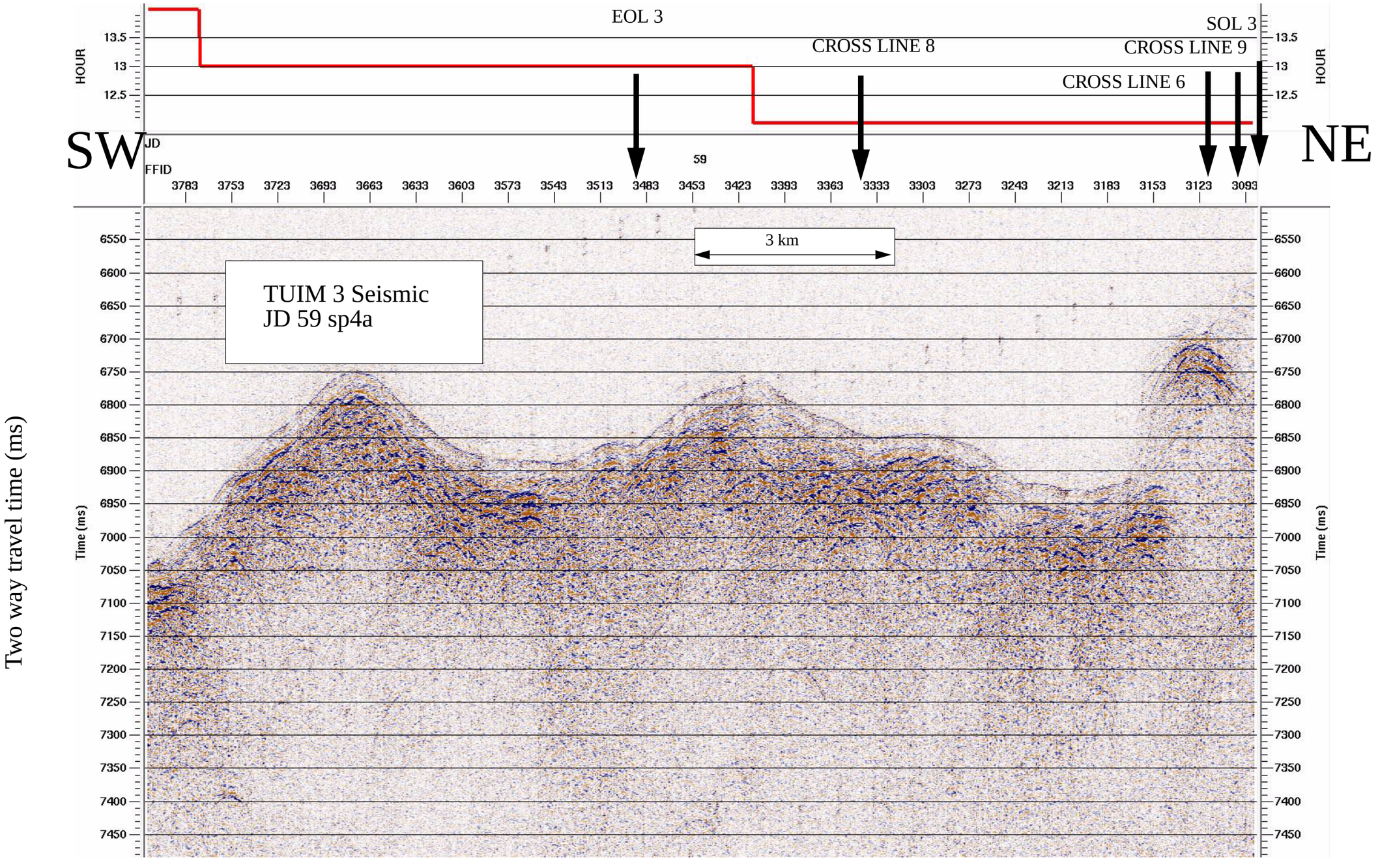

Heading
Julian Day 60
Degrees
200
100
0
-100
4:26 AM
5:57 AM
Ship Speed
knots
14
12
10
8
6
-46:35:8.514 S
-46:36:15.324 S
12 kHz Depth
meters
4000
4500
5000
5500
-137:51:51.132 W
-137:30:59.058 W
Total Magnetic Field
x 10^4
nT
4.9
4.85
4.8
4.75
File=2186
File=2733

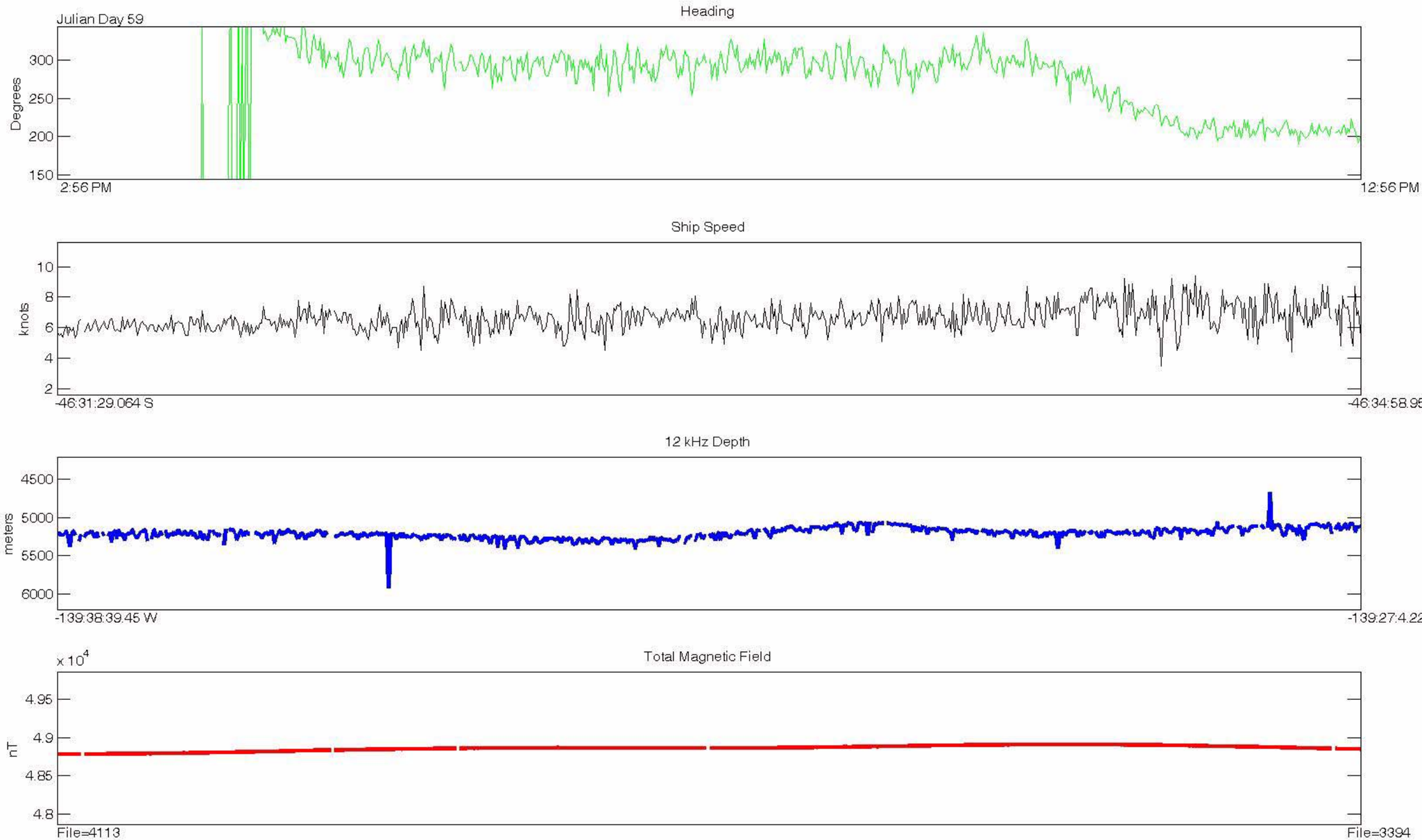

SW
NE
CROSS LINE 4
HOUR
JD
58
FFID
86 2208 2230 2253 2275 2297 2320 2342 2364 2387 2409 2431 2454 2476 2498 2521 2543 2565 2587 2610 2632 2654 2677 2699 2721
3 km
TUIM 3 Seismic
JD 59 sp4a
Time (ms)
6350 6400 6450 6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300
Two way travel time (ms)

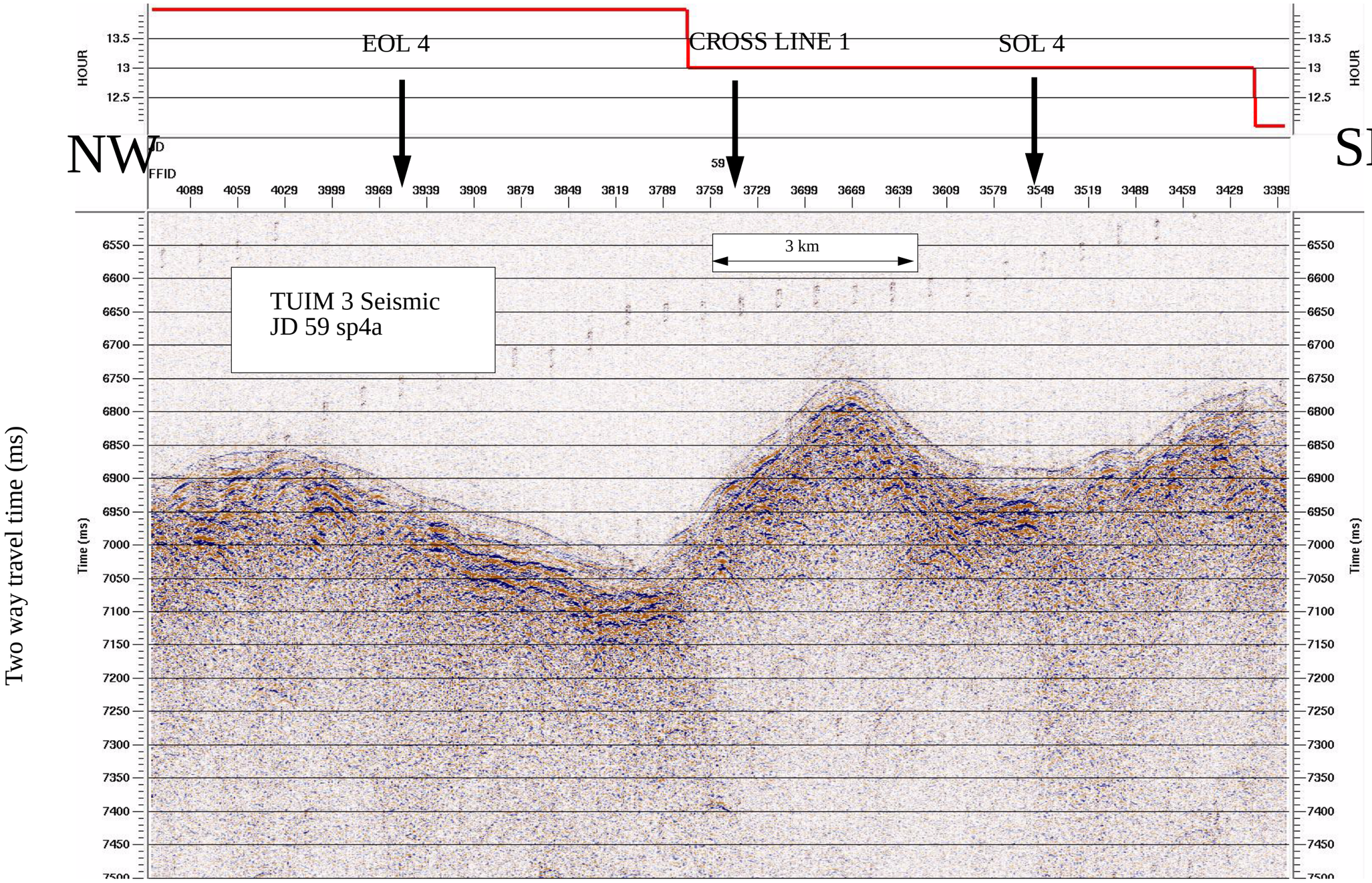

Heading
Julian Day 60
Degrees
200
100
0
-100
5:25 AM
6:56 AM
Ship Speed
knots
14
12
10
8
6
-46:35:51.87 S
-46:36:58.59 S
12 kHz Depth
meters
4000
4500
5000
5500
-137:38:20.262 W
-137:17:27.618 W
x 10^4
Total Magnetic Field
nT
4.9
4.85
4.8
4.75
File=2540
File=3087

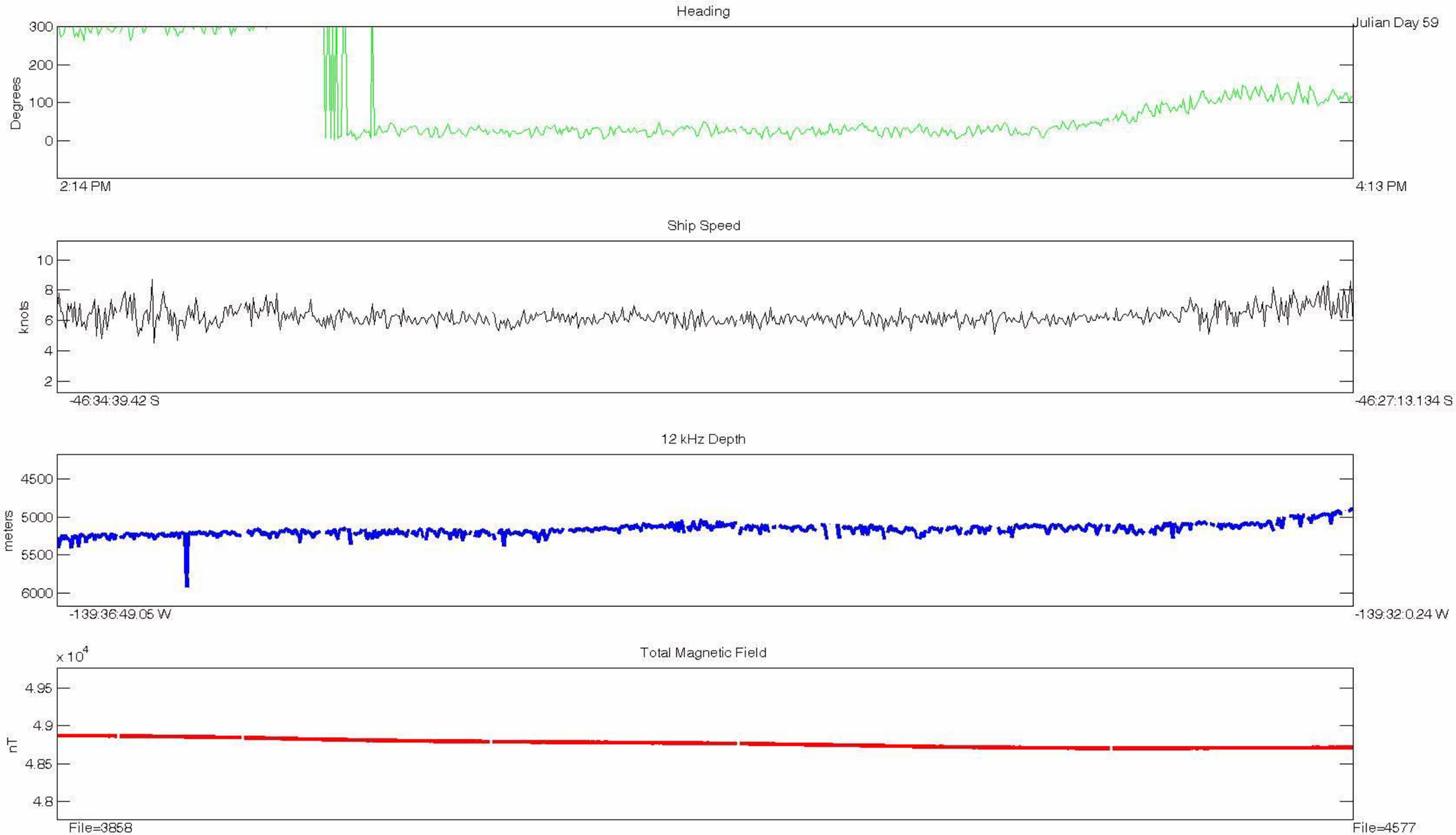

CROSS LINE 4
CROSS LINE 8
CROSS LINE 9
CROSS LINE 6
HOUR
SW
NE
JD
58
FFID
40 2563 2585 2607 2630 2652 2674 2697 2719 2741 2764 2786 2808 2831 2853 2875 2897 2920 2942 2964 2987 3009 3031 3054 3076
3 km
TUIM 3 Seismic
JD 59 sp4a
Time (ms)
6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300 7350 7400 7450
Two way travel time (ms)

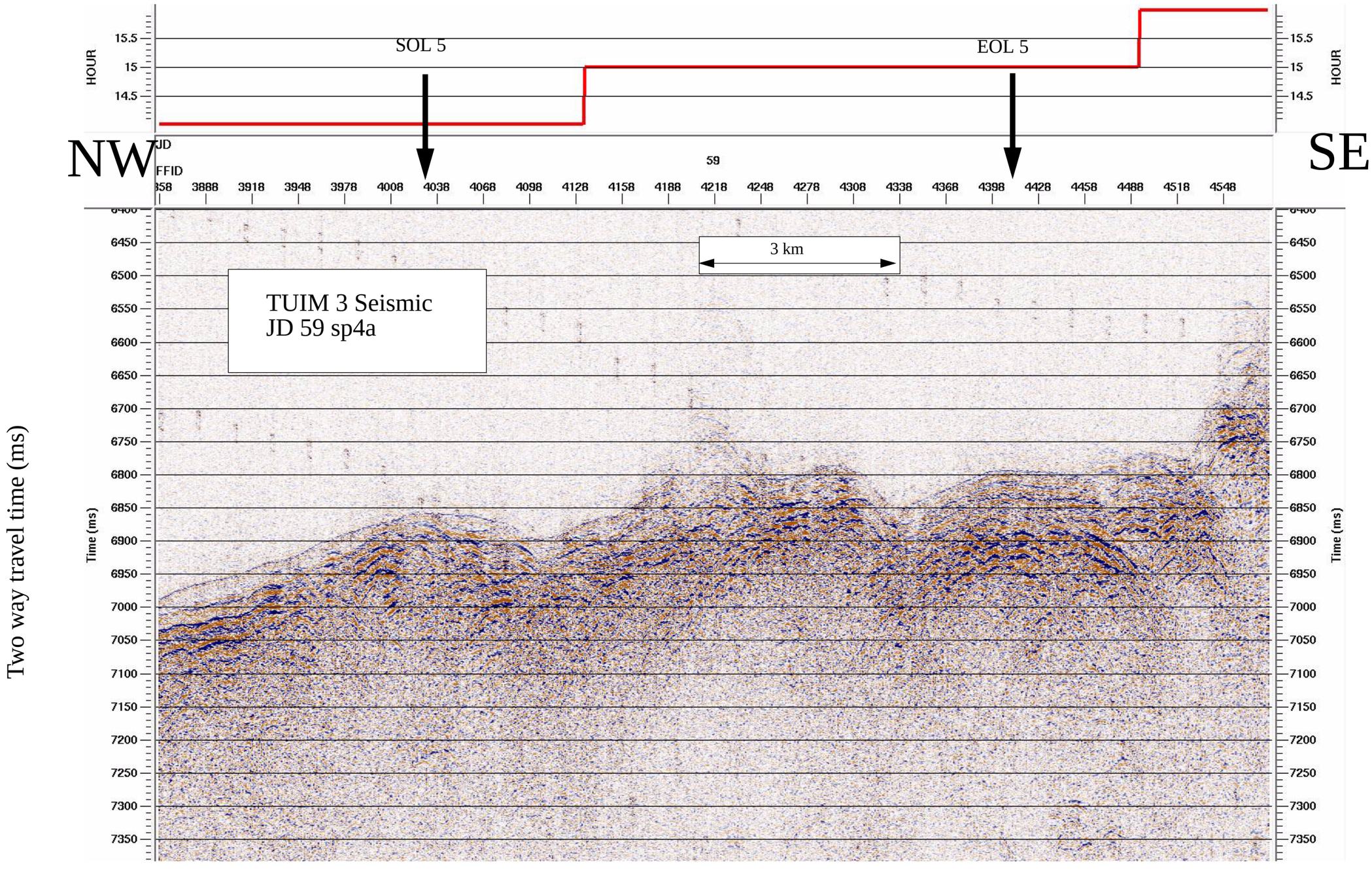

Heading
Julian Day 59
Degrees
250
200
150
100
1:38 PM
12:33 AM
Ship Speed
knots
10
8
6
4
2
-46:36:24.54 S
-46:30:34.002 S
12 kHz Depth
meters
4500
5000
5500
6000
-139:32:0.276 W
-139:30:19.44 W
Total Magnetic Field
x 10^4
nT
4.95
4.9
4.85
4.8
File=3646
File=2927

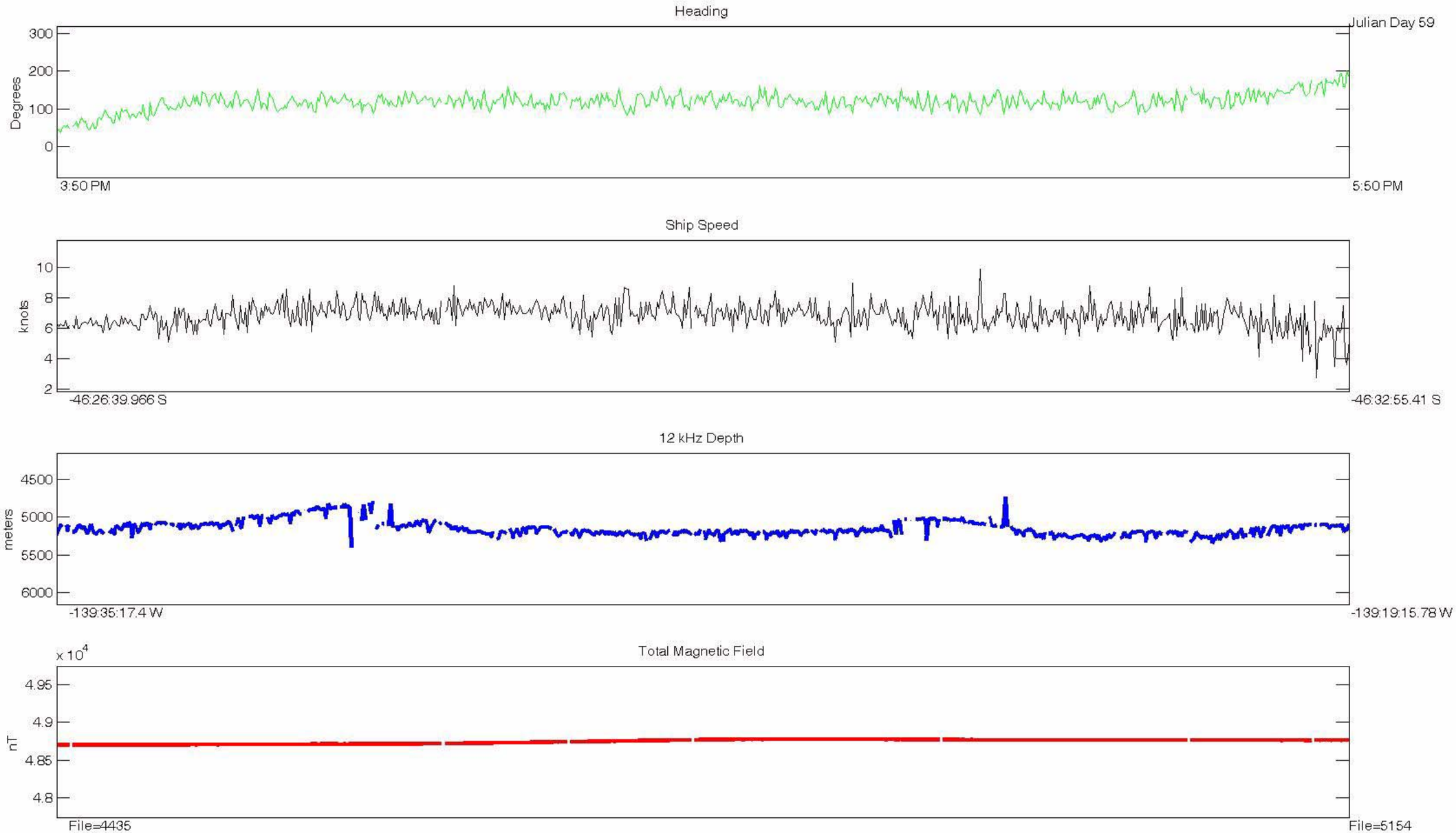

EOL 3
CROSS LINE 8
SOL 3
CROSS LINE 9
CROSS LINE 6
SW
NE
HOUR
JD
FFID
59
3 km
TUIM 3 Seismic
JD 59 sp4a
Time (ms)
Two way travel time (ms)

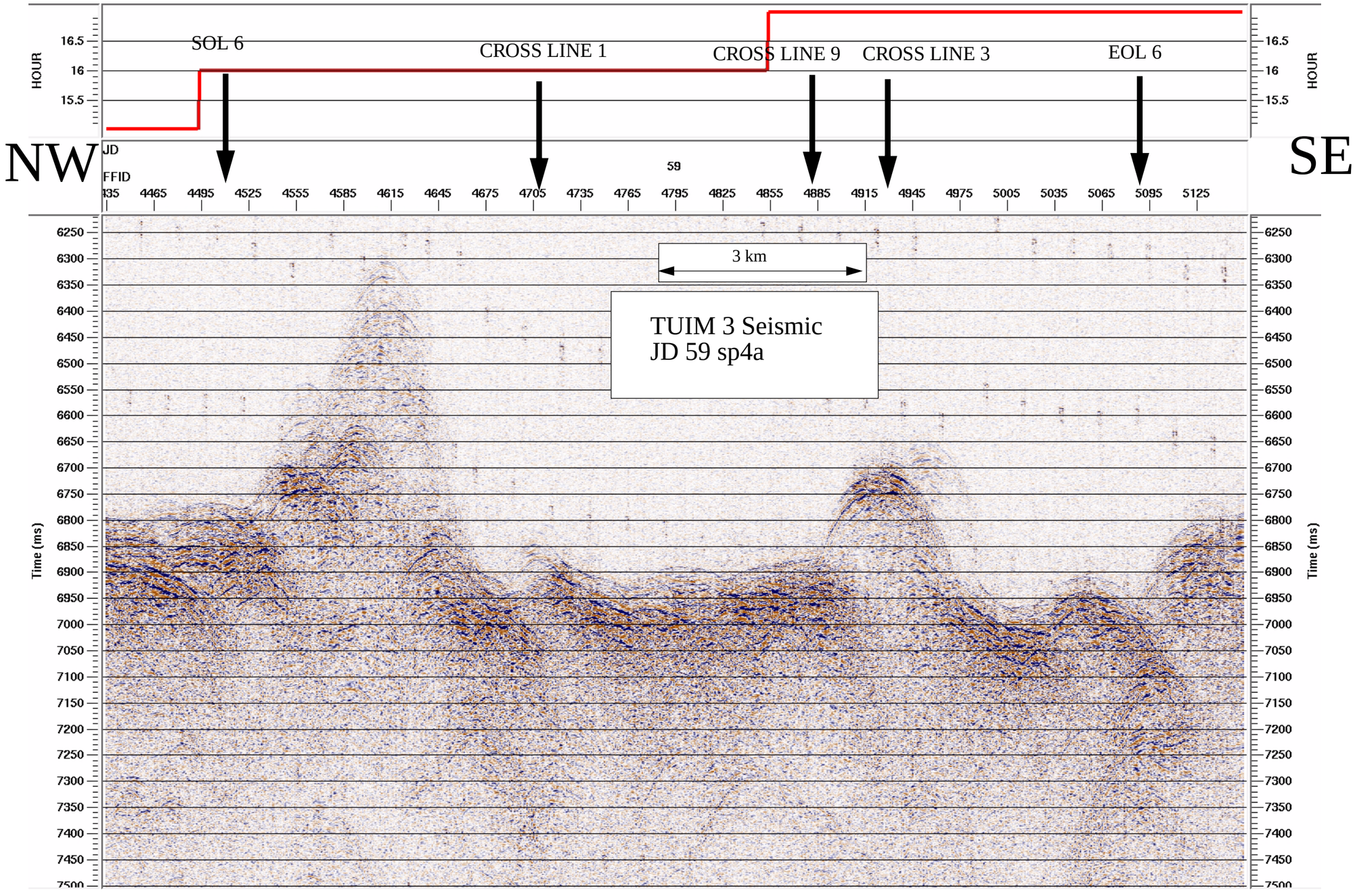

Heading
Julian Day 59
Degrees
300
250
200
150
2:56 PM
12:56 PM
Ship Speed
knots
10
8
6
4
2
-46:31:29.064 S
-46:34:58.95 S
12 kHz Depth
meters
4500
5000
5500
6000
-139:38:39.45 W
-139:27:4.224 W
Total Magnetic Field
x 10^4
nT
4.95
4.9
4.85
4.8
File=4113
File=3394

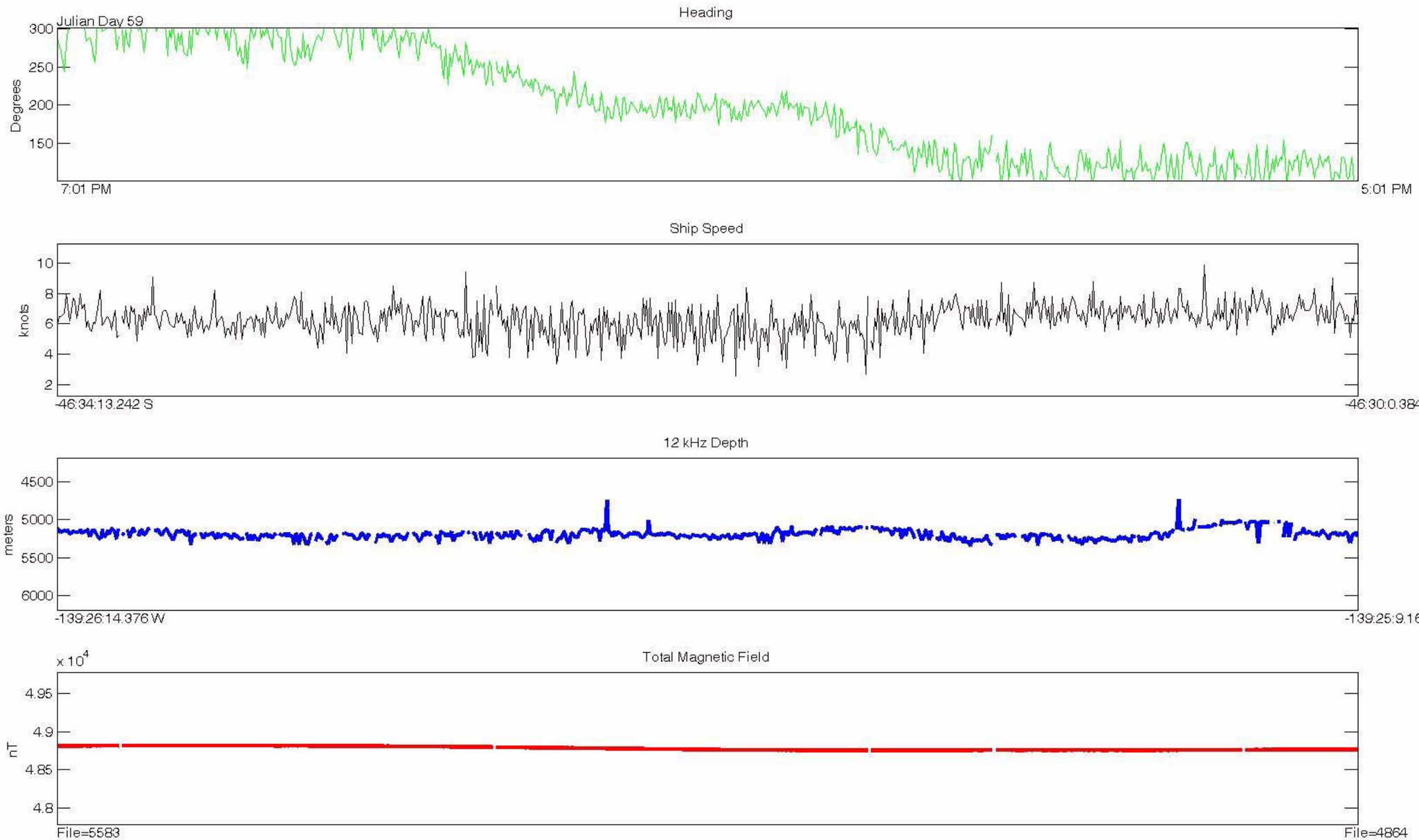

EOL 4
CROSS LINE 1
SOL 4
NW
SE
HOUR
13.5
13
12.5
JD
59
FFID
4089 4059 4029 3999 3969 3939 3909 3879 3849 3819 3789 3759 3729 3699 3669 3639 3609 3579 3549 3519 3489 3459 3429 3399
3 km
TUIM 3 Seismic
JD 59 sp4a
Time (ms)
6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300 7350 7400 7450 7500
Two way travel time (ms)

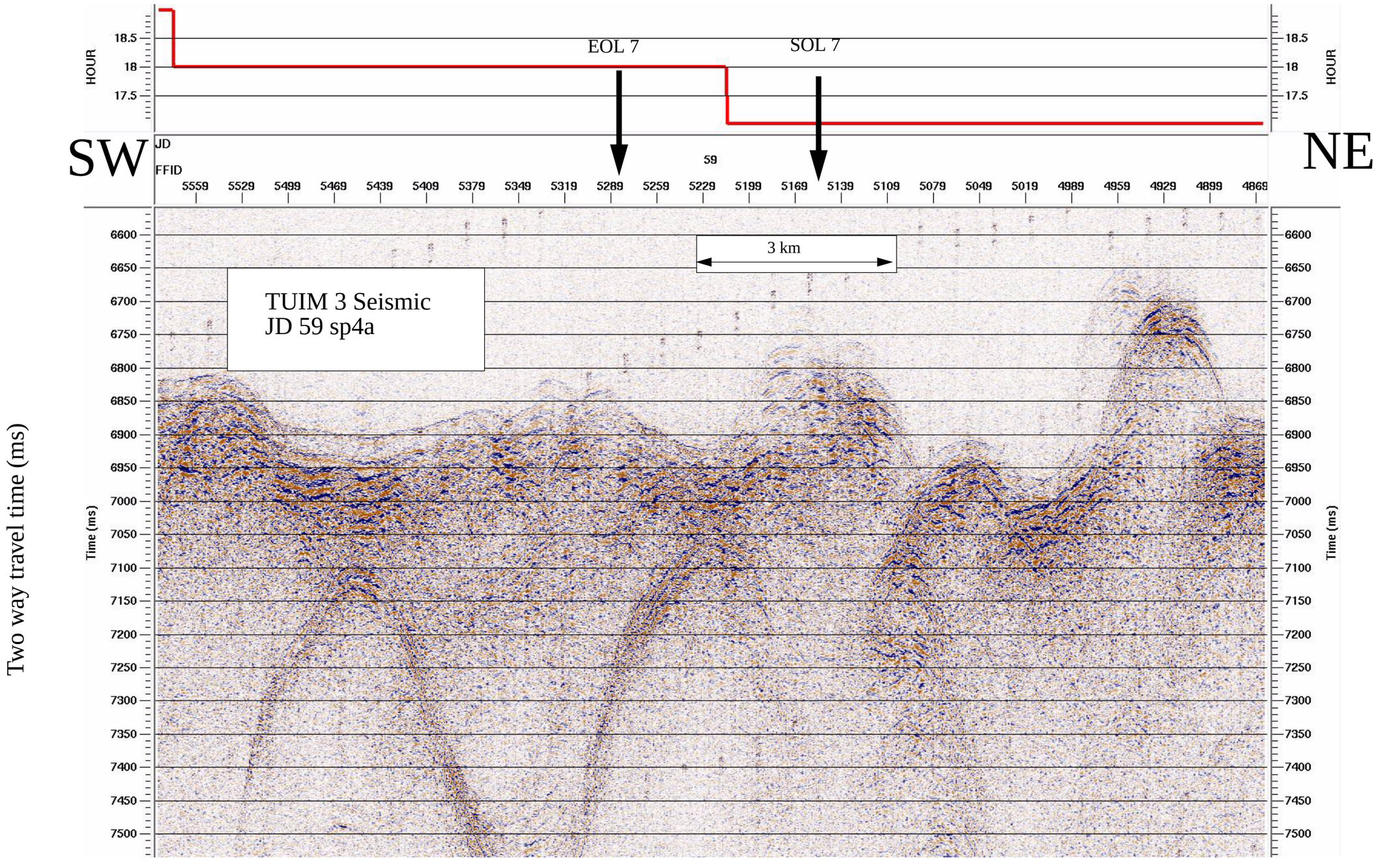

Heading
Julian Day 59
300
200
100
0
Degrees
2:14 PM
4:13 PM
Ship Speed
10
8
6
4
2
knots
-46:34:39.42 S
-46:27:13.134 S
12 kHz Depth
4500
5000
5500
6000
meters
-139:36:49.05 W
-139:32:0.24 W
x 10^4
Total Magnetic Field
4.95
4.9
4.85
4.8
nT
File=3858
File=4577

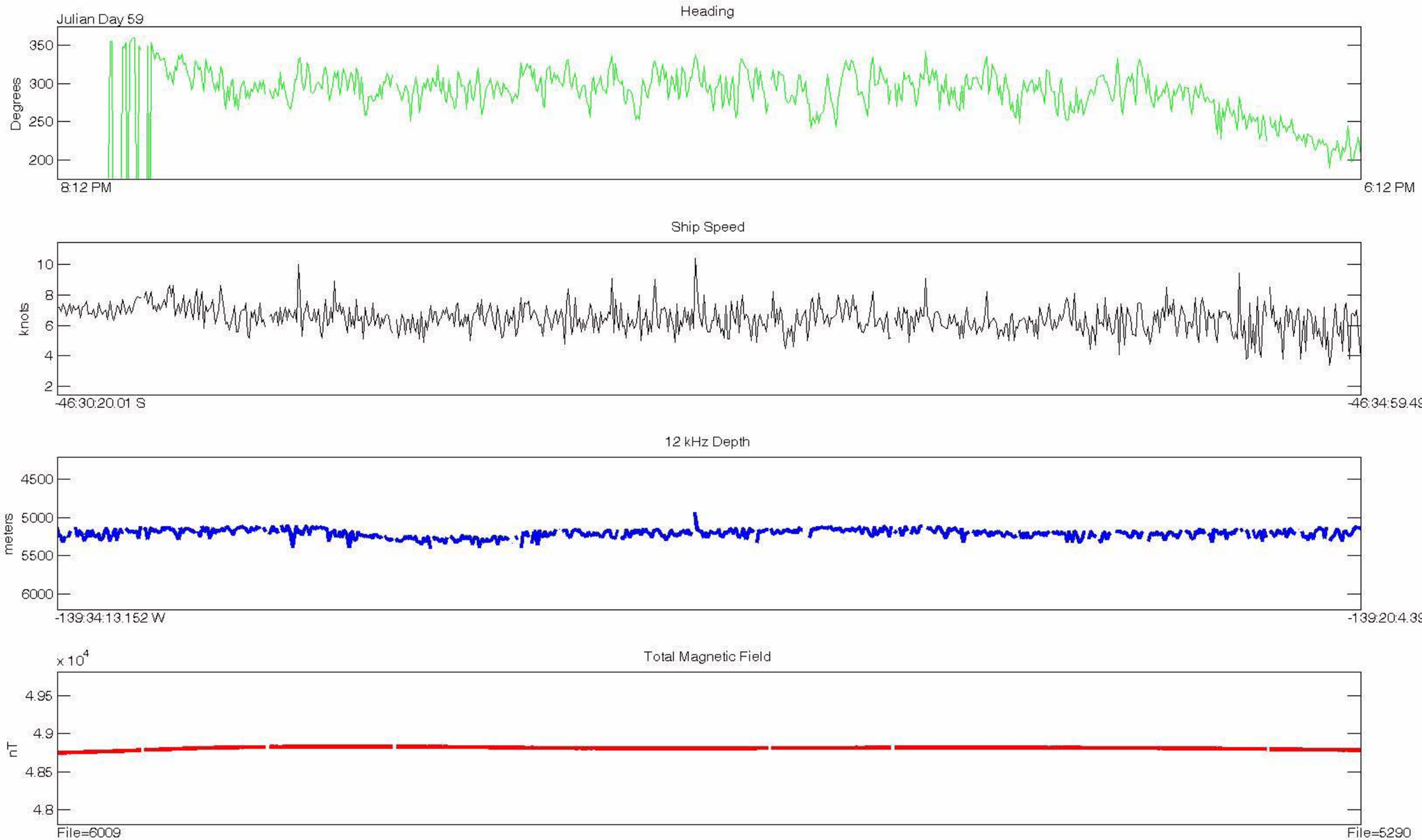

HOUR
15.5
15
14.5
SOL 5
EOL 5
NW
SE
JD
59
FFID
3888
3918
3948
3978
4008
4038
4068
4098
4128
4158
4188
4218
4248
4278
4308
4338
4368
4398
4428
4458
4488
4518
4548
3 km
TUIM 3 Seismic
JD 59 sp4a
Time (ms)
6450
6500
6550
6600
6650
6700
6750
6800
6850
6900
6950
7000
7050
7100
7150
7200
7250
7300
7350
Two way travel time (ms)

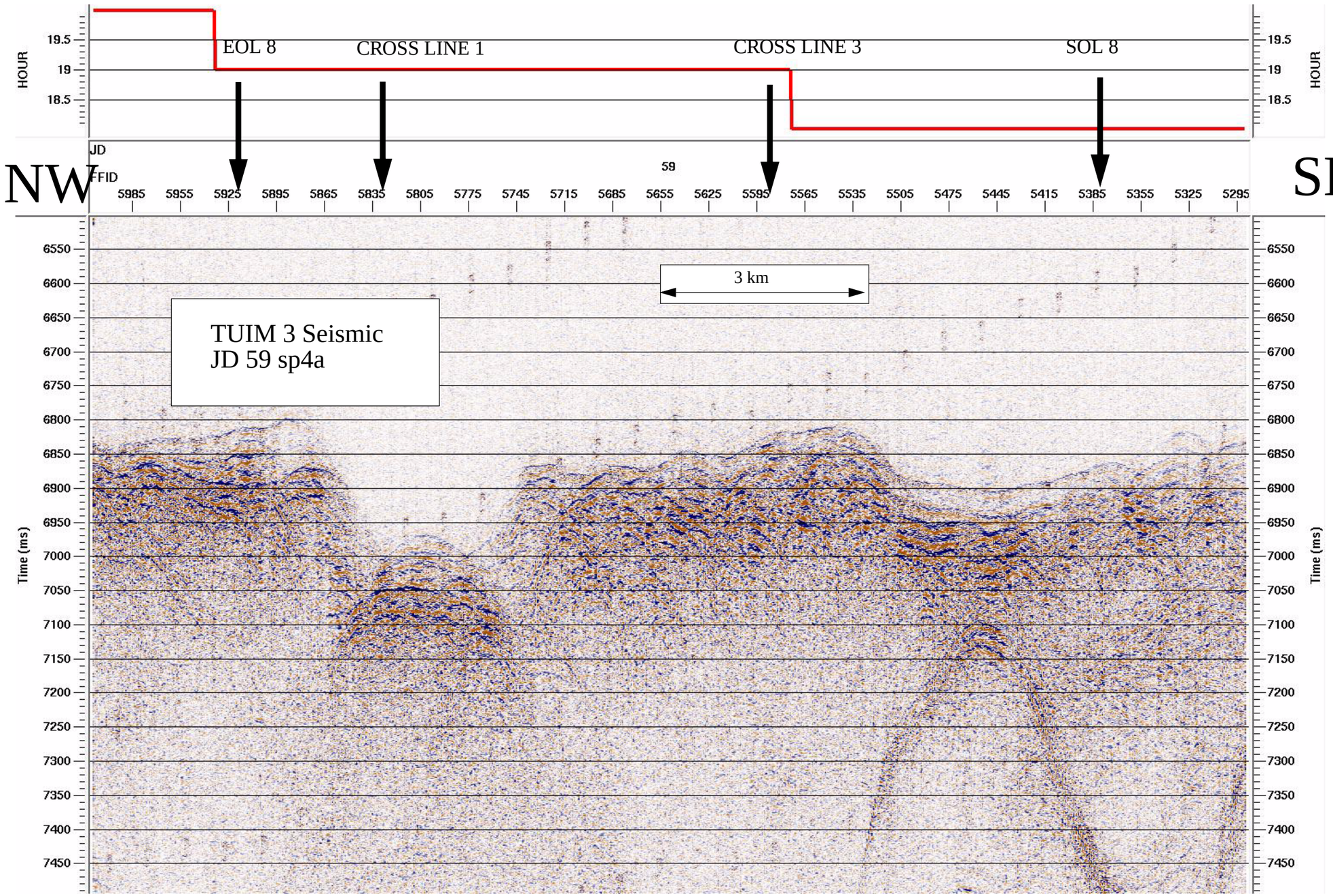

Heading
Julian Day 59
300
200
100
0
Degrees
3:50 PM
5:50 PM
Ship Speed
10
8
6
4
2
knots
-46:26:39.966 S
-46:32:55.41 S
12 kHz Depth
4500
5000
5500
6000
meters
-139:35:17.4 W
-139:19:15.78 W
x 10^4
Total Magnetic Field
4.95
4.9
4.85
4.8
nT
File=4435
File=5154

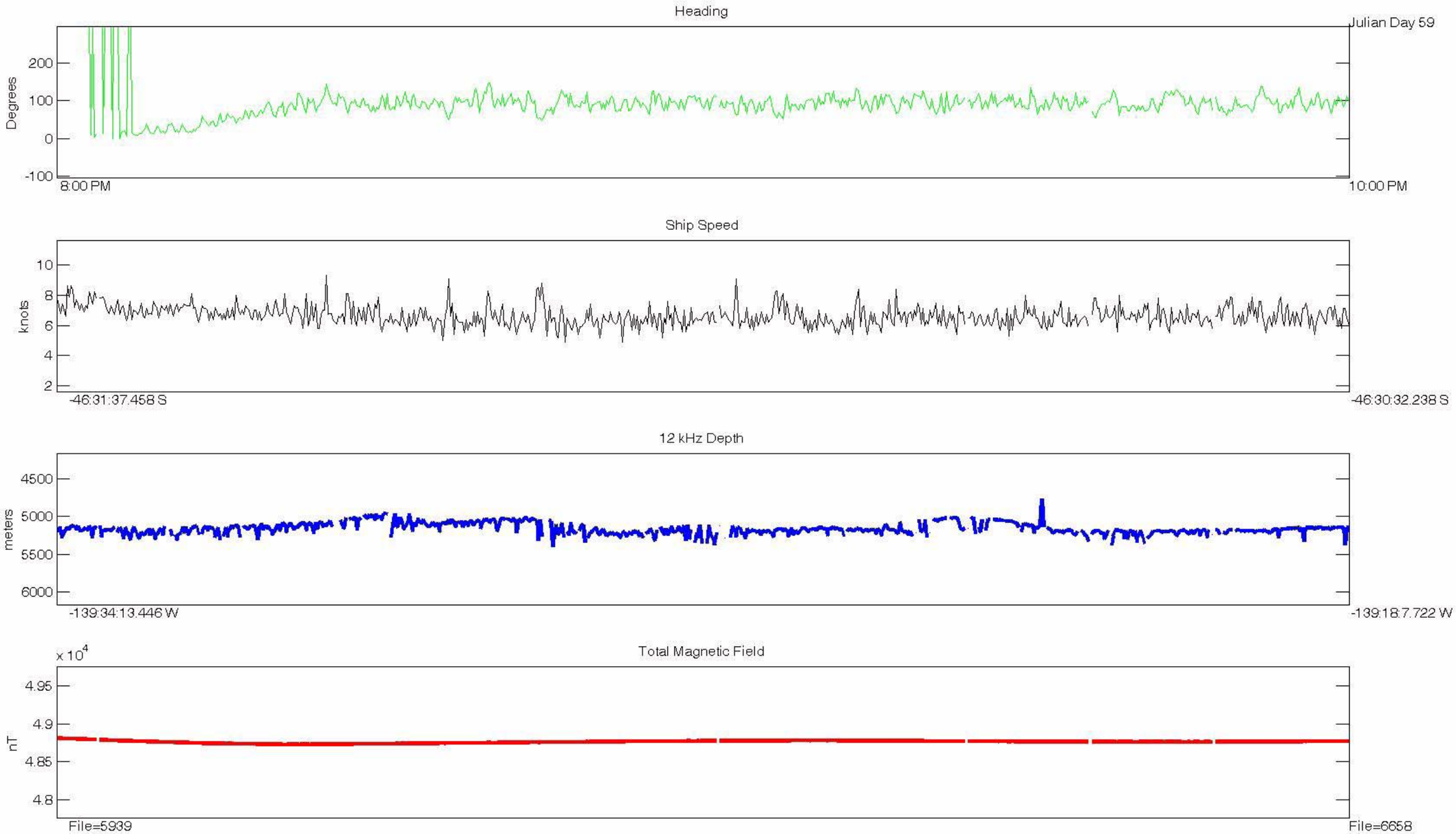

SOL 6
CROSS LINE 1
CROSS LINE 9
CROSS LINE 3
EOL 6
HOUR
16.5
16
15.5
NW
SE
JD
59
FFID
4435 4465 4495 4525 4555 4585 4615 4645 4675 4705 4735 4765 4795 4825 4855 4885 4915 4945 4975 5005 5035 5065 5095 5125
3 km
TUIM 3 Seismic
JD 59 sp4a
Time (ms)
6250 6300 6350 6400 6450 6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300 7350 7400 7450 7500
Two way travel time (ms)

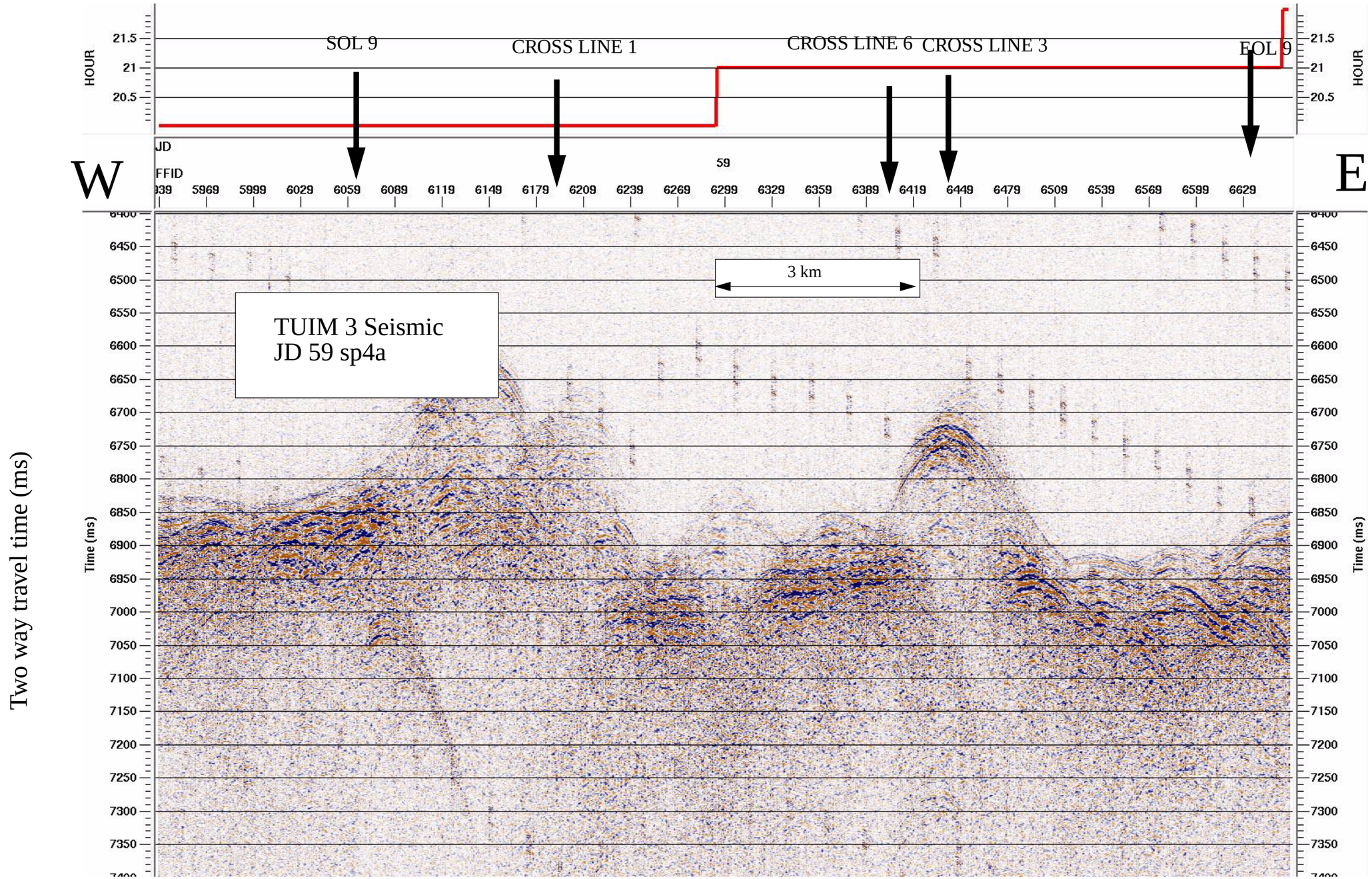

Heading
Julian Day 59
300
250
200
150
Degrees
7:01 PM
5:01 PM
Ship Speed
10
8
6
4
2
knots
-46:34:13.242 S
-46:30:0.384 S
12 kHz Depth
4500
5000
5500
6000
meters
-139:26:14.376 W
-139:25:9.168 W
x 10^4
Total Magnetic Field
4.95
4.9
4.85
4.8
nT
File=5583
File=4864


HOUR
18.5
18
17.5
EOL 7
SOL 7
SW
NE
JD
FFID
59
5559 5529 5499 5469 5439 5409 5379 5349 5319 5289 5259 5229 5199 5169 5139 5109 5079 5049 5019 4989 4959 4929 4899 4869
3 km
TUIM 3 Seismic
JD 59 sp4a
Time (ms)
6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300 7350 7400 7450 7500
Two way travel time (ms)


Heading
Julian Day 59
Degrees
350
300
250
200
8:12 PM
6:12 PM
Ship Speed
knots
10
8
6
4
2
-46:30:20.01 S
-46:34:59.49 S
12 kHz Depth
meters
4500
5000
5500
6000
-139:34:13.152 W
-139:20:4.398 W
x 10^4
Total Magnetic Field
nT
4.95
4.9
4.85
4.8
File=6009
File=5290


EOL 8
CROSS LINE 1
CROSS LINE 3
SOL 8
HOUR
19.5
19
18.5
JD
FFID
59
NW
SE
5985 5955 5925 5895 5865 5835 5805 5775 5745 5715 5685 5655 5625 5595 5565 5535 5505 5475 5445 5415 5385 5355 5325 5295
3 km
TUIM 3 Seismic
JD 59 sp4a
Time (ms)
6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300 7350 7400 7450
Two way travel time (ms)

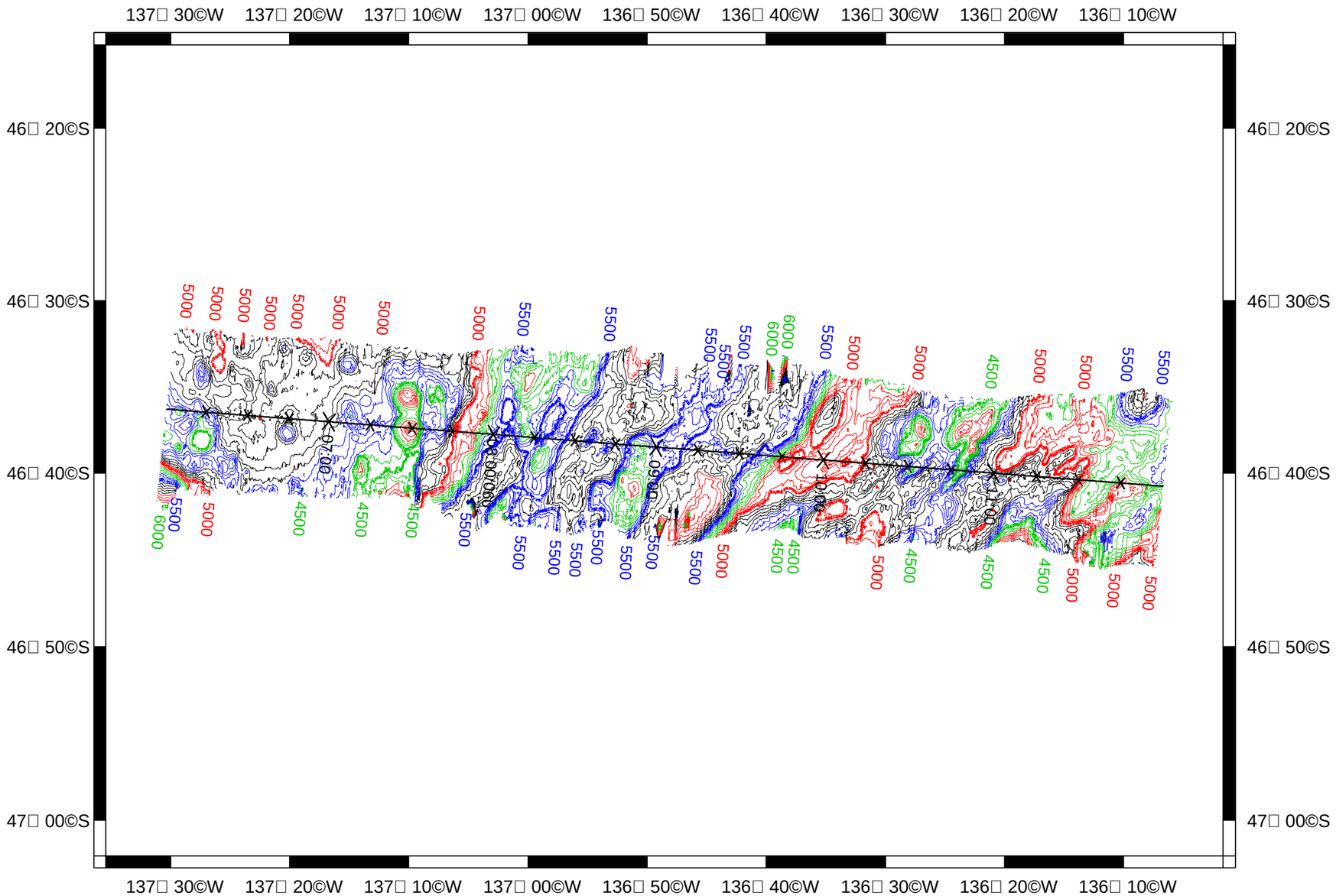

Heading
Julian Day 59
Degrees
200
100
0
-100
8:00 PM
10:00 PM
Ship Speed
knots
10
8
6
4
2
-46:31:37.458 S
-46:30:32.238 S
12 kHz Depth
meters
4500
5000
5500
6000
-139:34:13.446 W
-139:18:7.722 W
x 10^4
Total Magnetic Field
nT
4.95
4.9
4.85
4.8
File=5939
File=6658

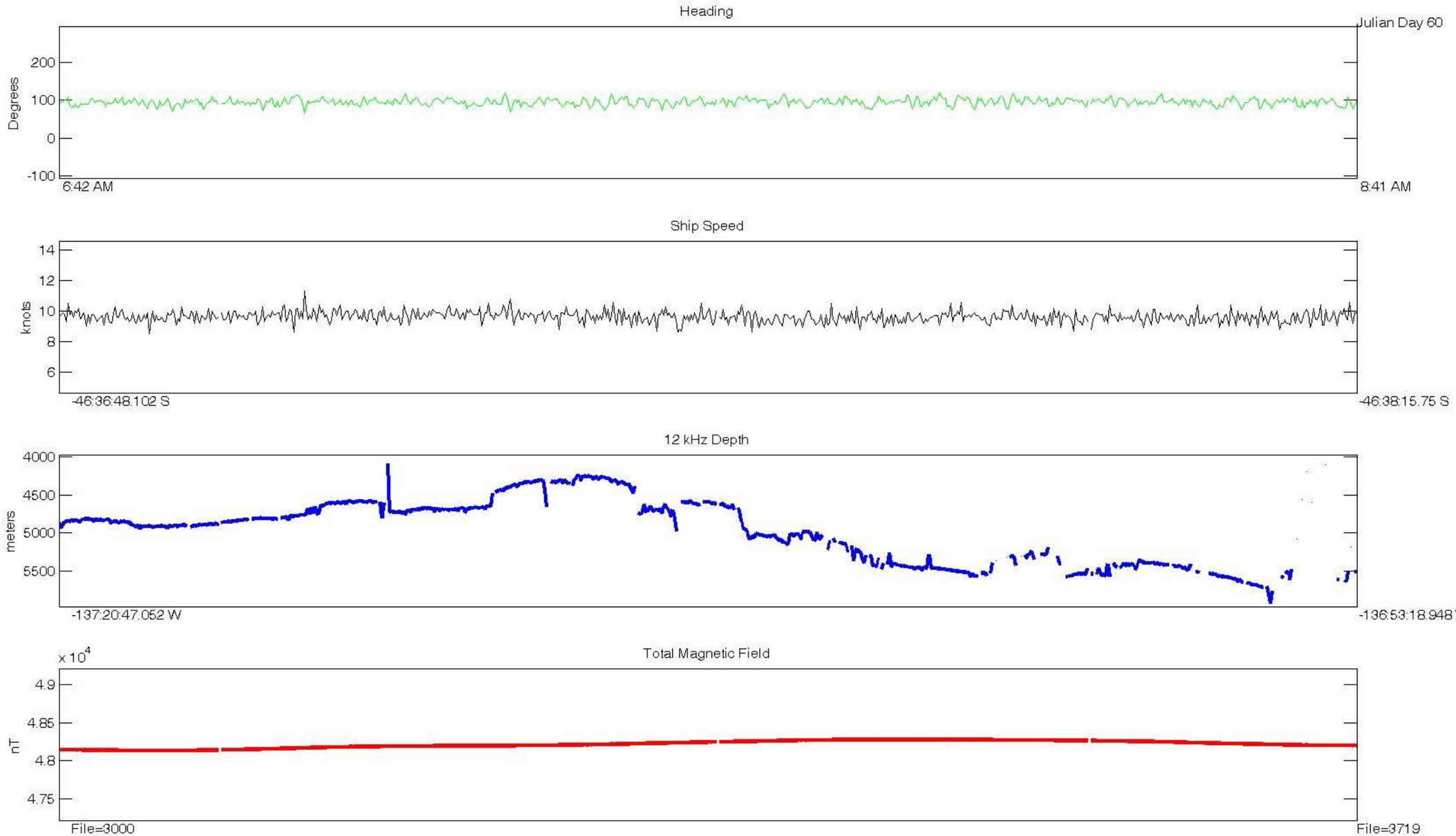


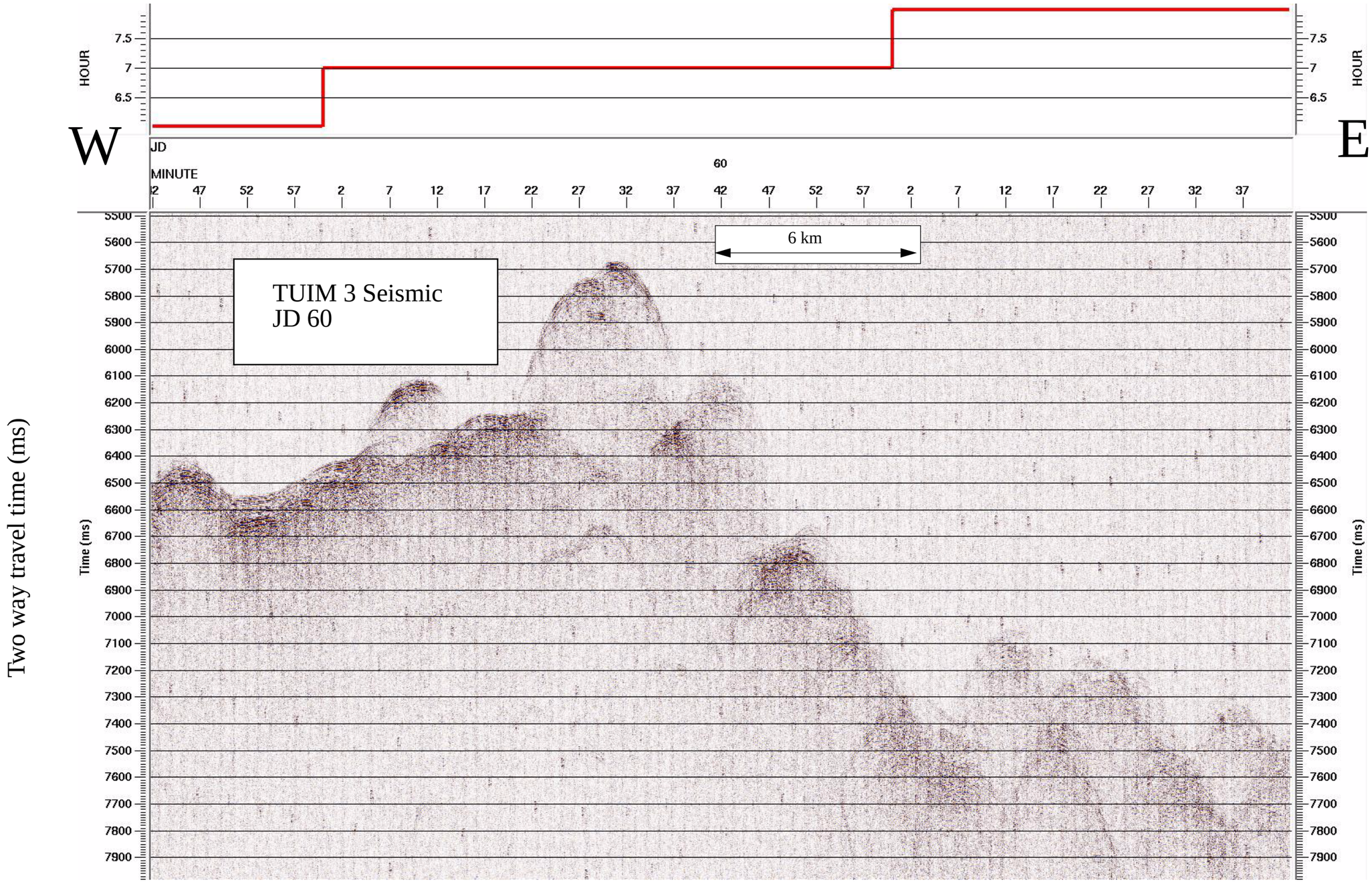
Two way travel time (ms)

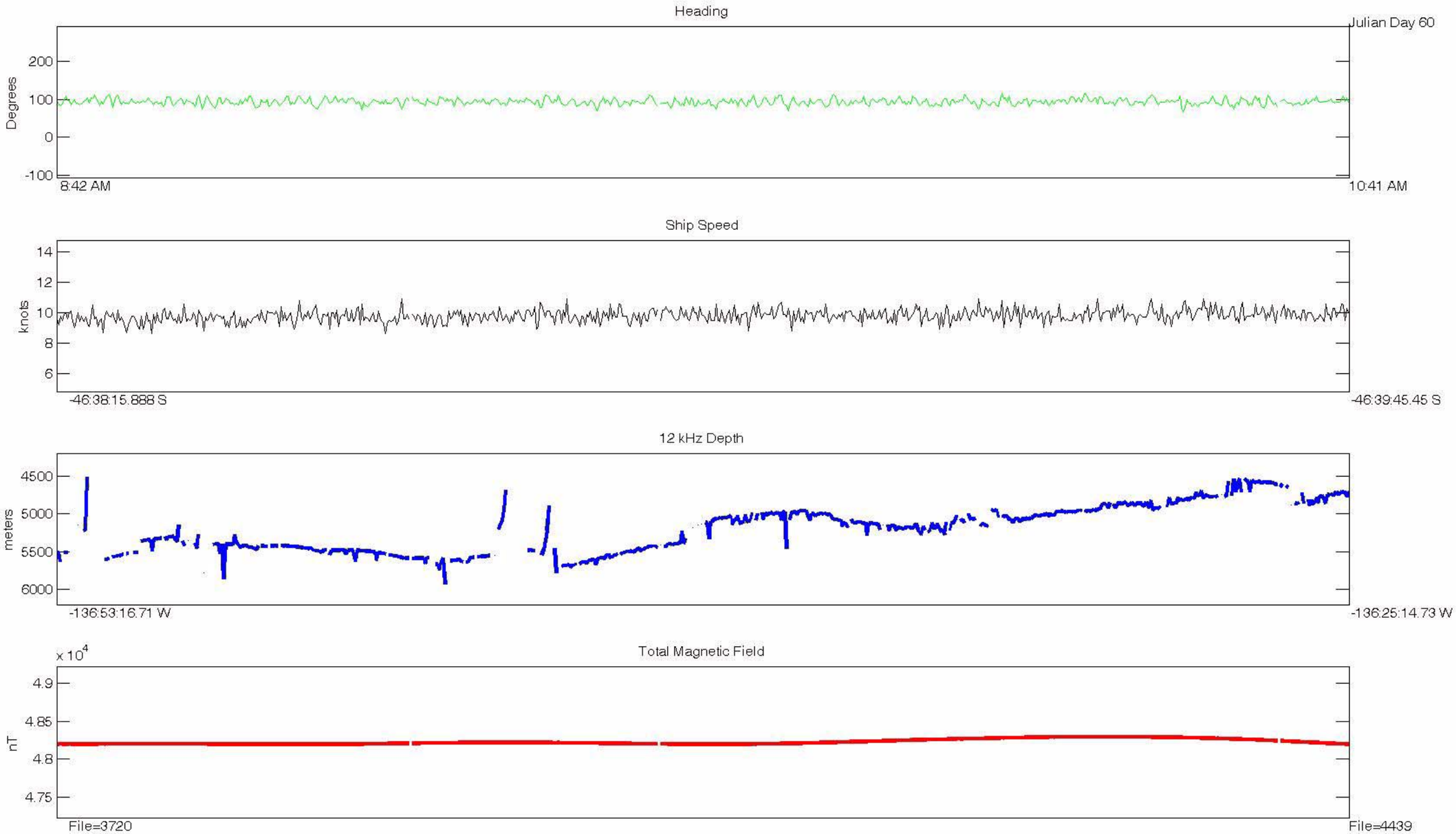
Julian Day 60
1 March 2005
150 c.i GI gun Source,
4-channel SIO streamer

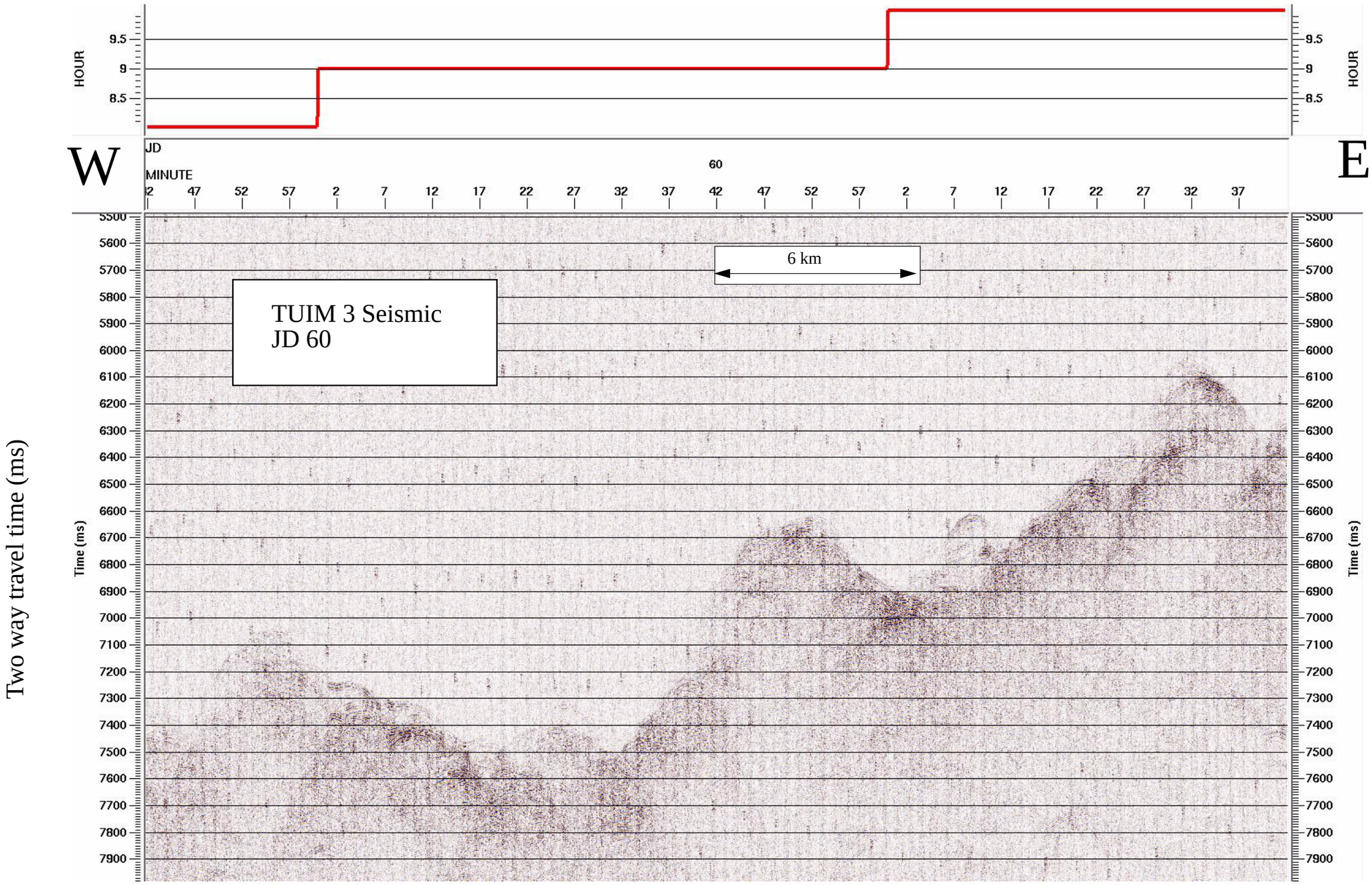
Data File SBfixavg.2005mar01.0600-1200



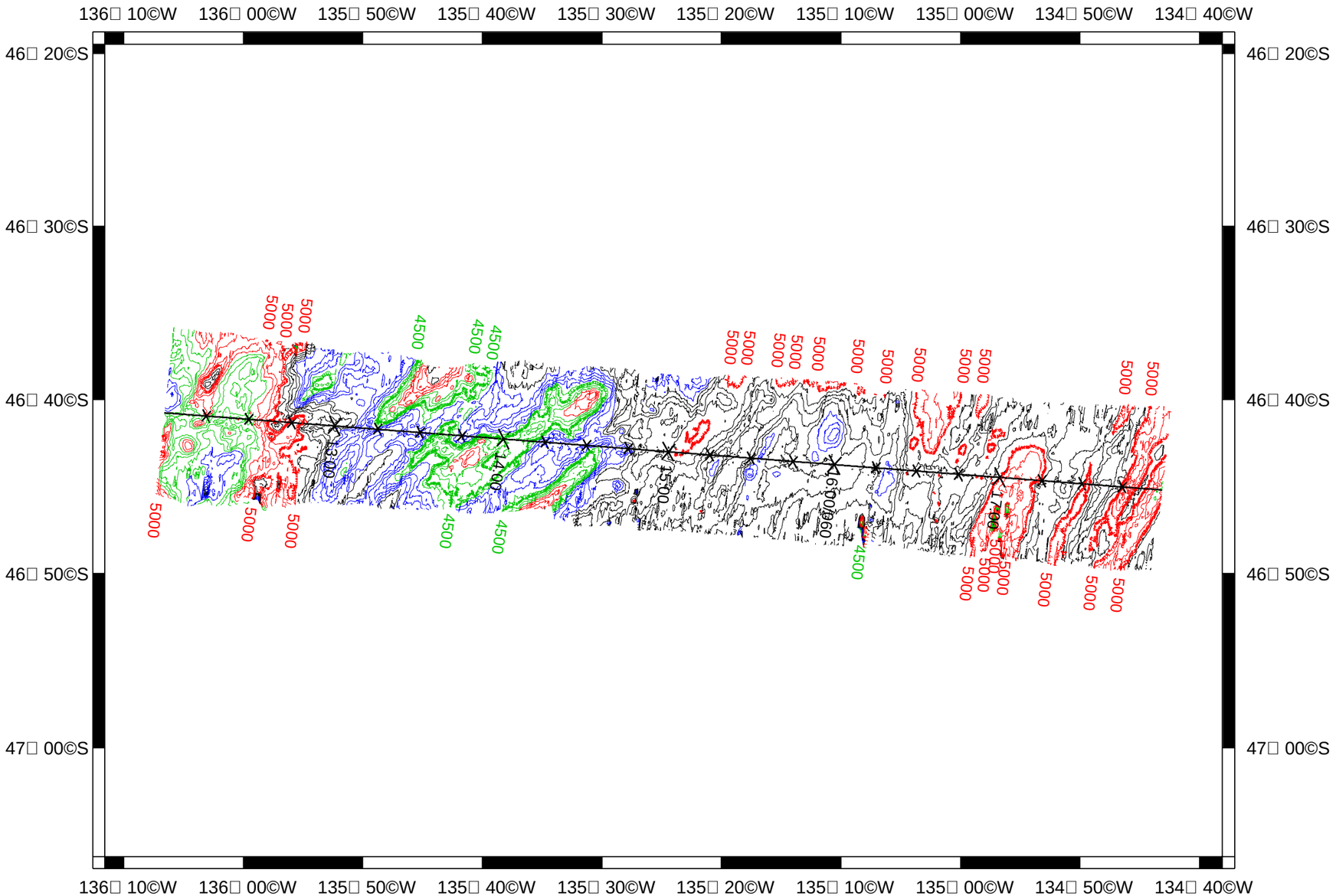

Heading
Julian Day 60
Degrees
200
100
0
-100
6:42 AM
8:41 AM
Ship Speed
knots
14
12
10
8
6
-46:36:48.102 S
-46:38:15.75 S
12 kHz Depth
meters
4000
4500
5000
5500
-137:20:47.052 W
-136:53:18.948 W
x 10^4
Total Magnetic Field
nT
4.9
4.85
4.8
4.75
File=3000
File=3719

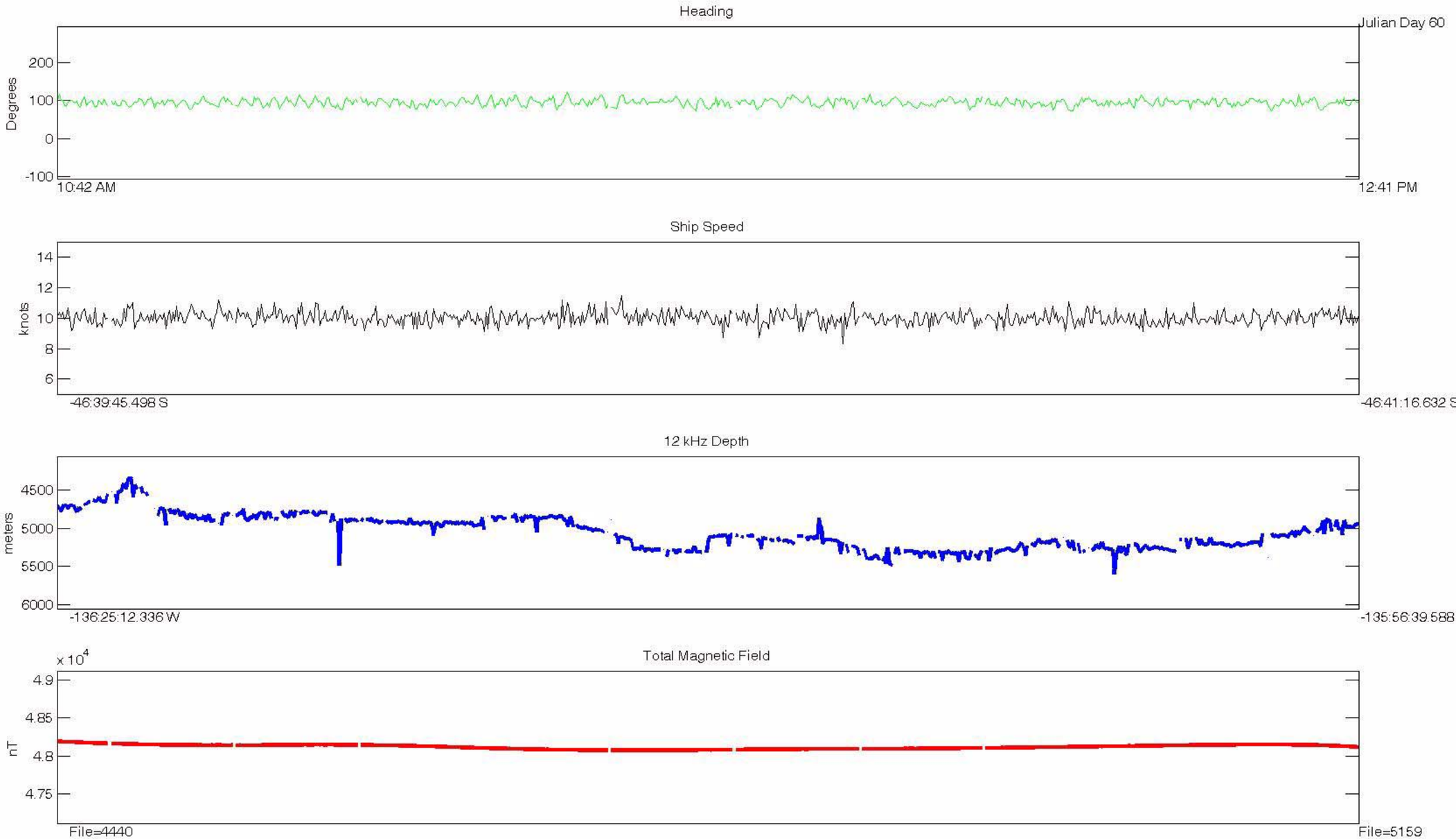

HOUR
7.5
7
6.5
W
E
JD
MINUTE
60
42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37
6 km
TUIM 3 Seismic
JD 60
Time (ms)
5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900
Two way travel time (ms)

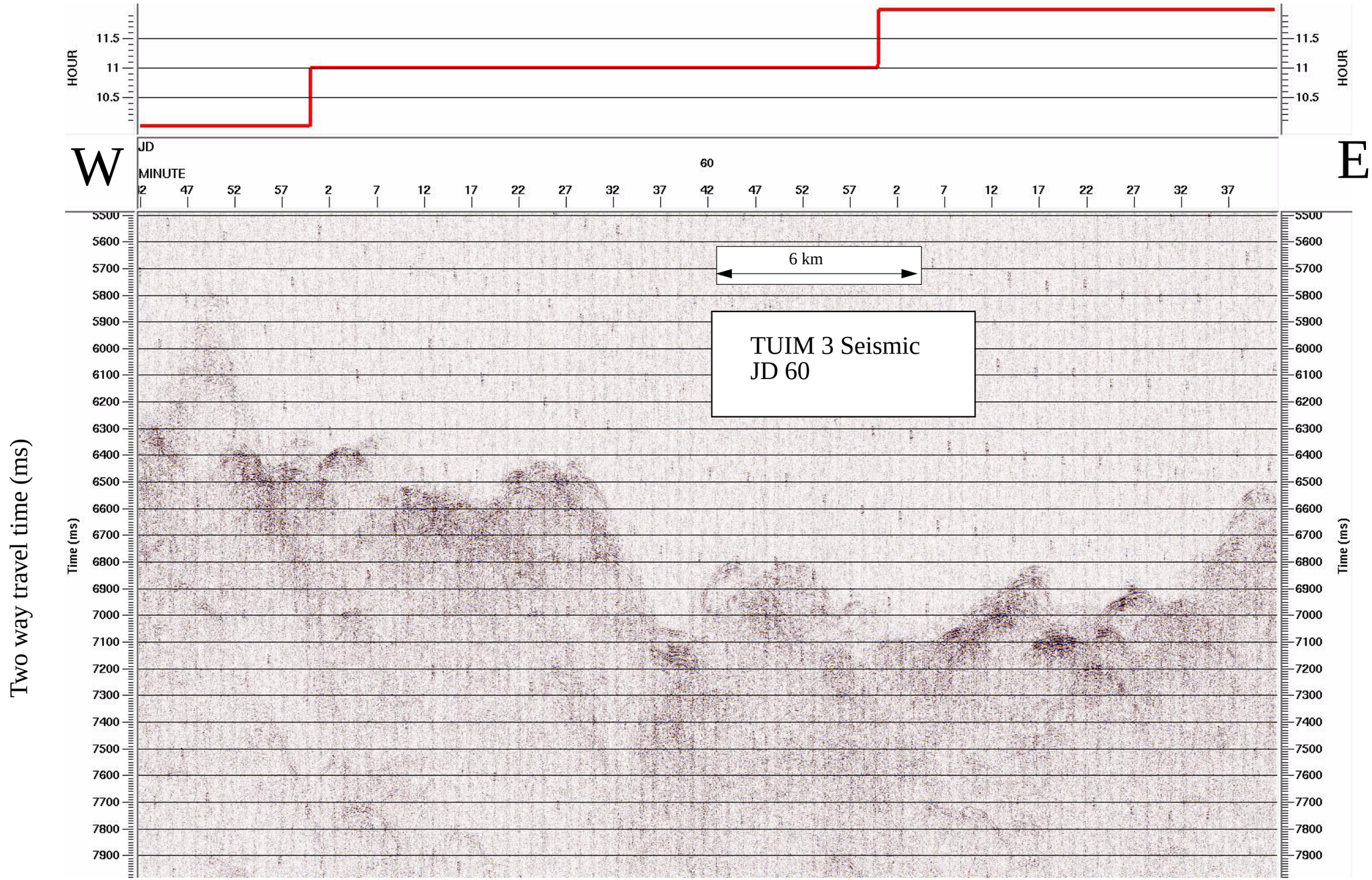

Heading
Julian Day 60
Degrees
200
100
0
-100
8:42 AM
10:41 AM
Ship Speed
knots
14
12
10
8
6
-46:38:15.888 S
-46:39:45.45 S
12 kHz Depth
meters
4500
5000
5500
6000
-136:53:16.71 W
-136:25:14.73 W
x 10^4
Total Magnetic Field
nT
4.9
4.85
4.8
4.75
File=3720
File=4439

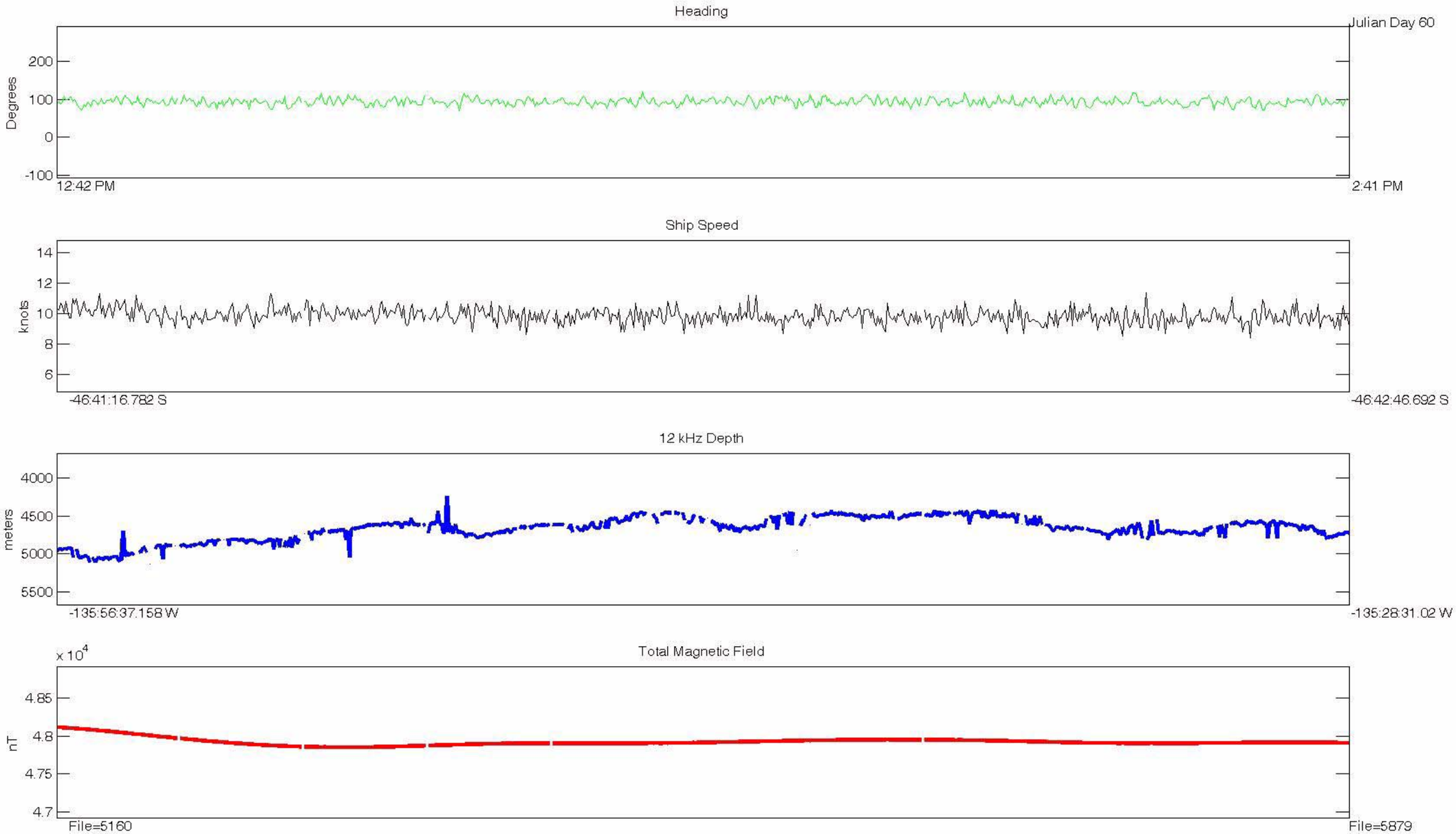

HOUR
9.5
9
8.5
W
E
JD
MINUTE
60
2 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37
6 km
TUIM 3 Seismic
JD 60
Time (ms)
5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900
Two way travel time (ms)

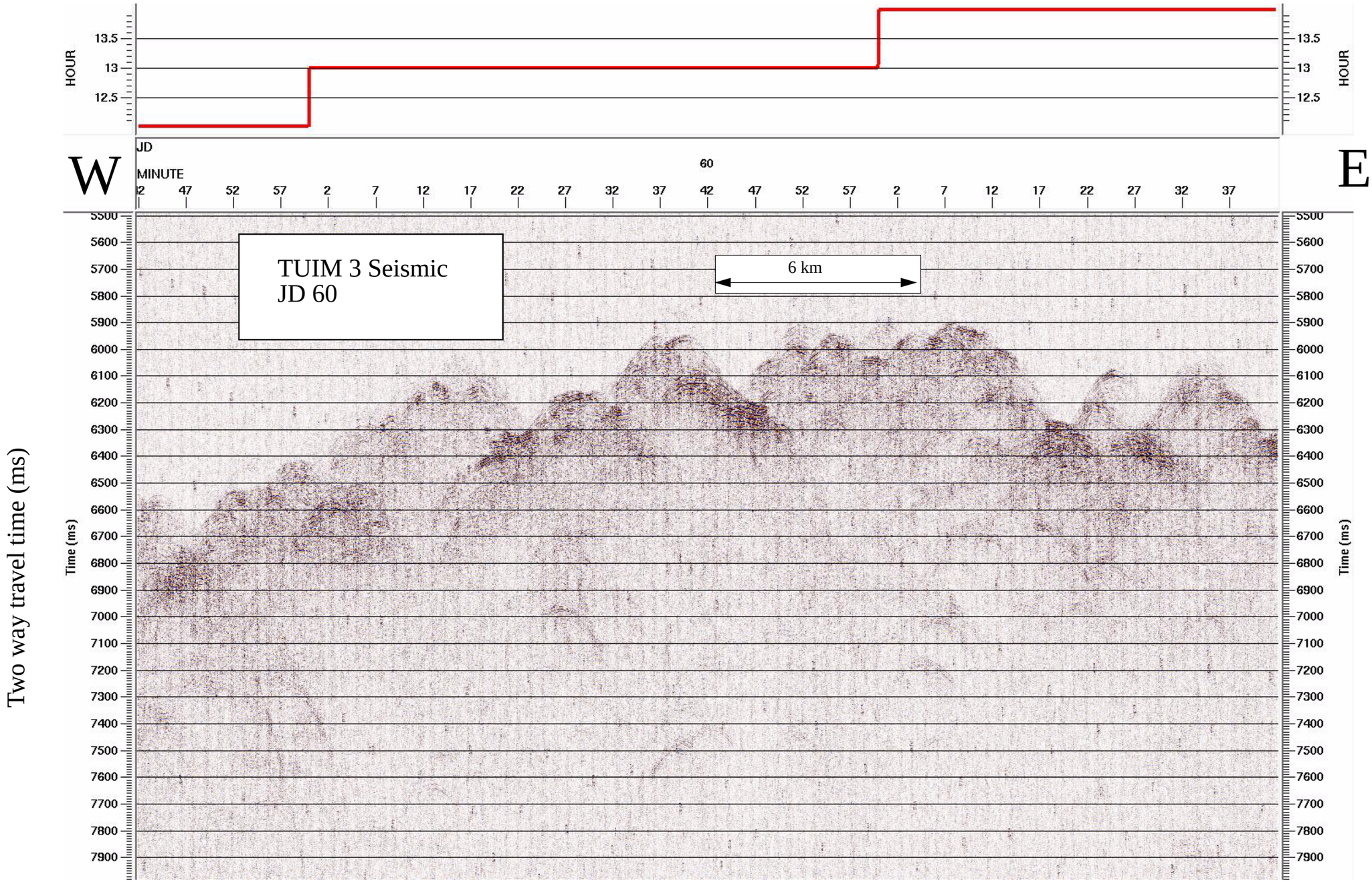
Data File SBfixavg.2005mar01.1200-1800



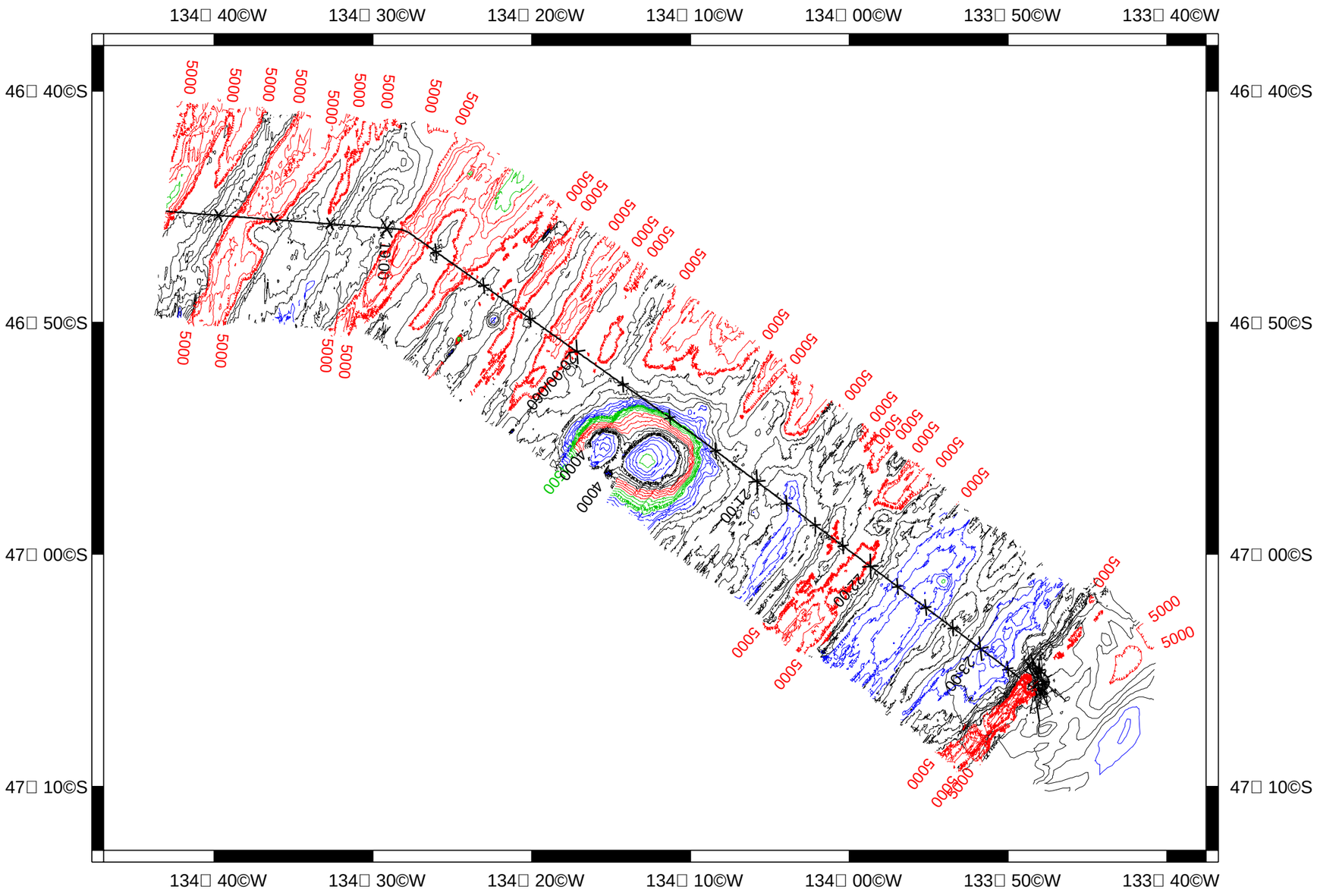

Heading
Julian Day 60
Degrees
200
100
0
-100
10:42 AM
12:41 PM
Ship Speed
knots
14
12
10
8
6
-46:39:45.498 S
-46:41:16.632 S
12 kHz Depth
meters
4500
5000
5500
6000
-136:25:12.336 W
-135:56:39.588 W
x 10^4
Total Magnetic Field
nT
4.9
4.85
4.8
4.75
File=4440
File=5159

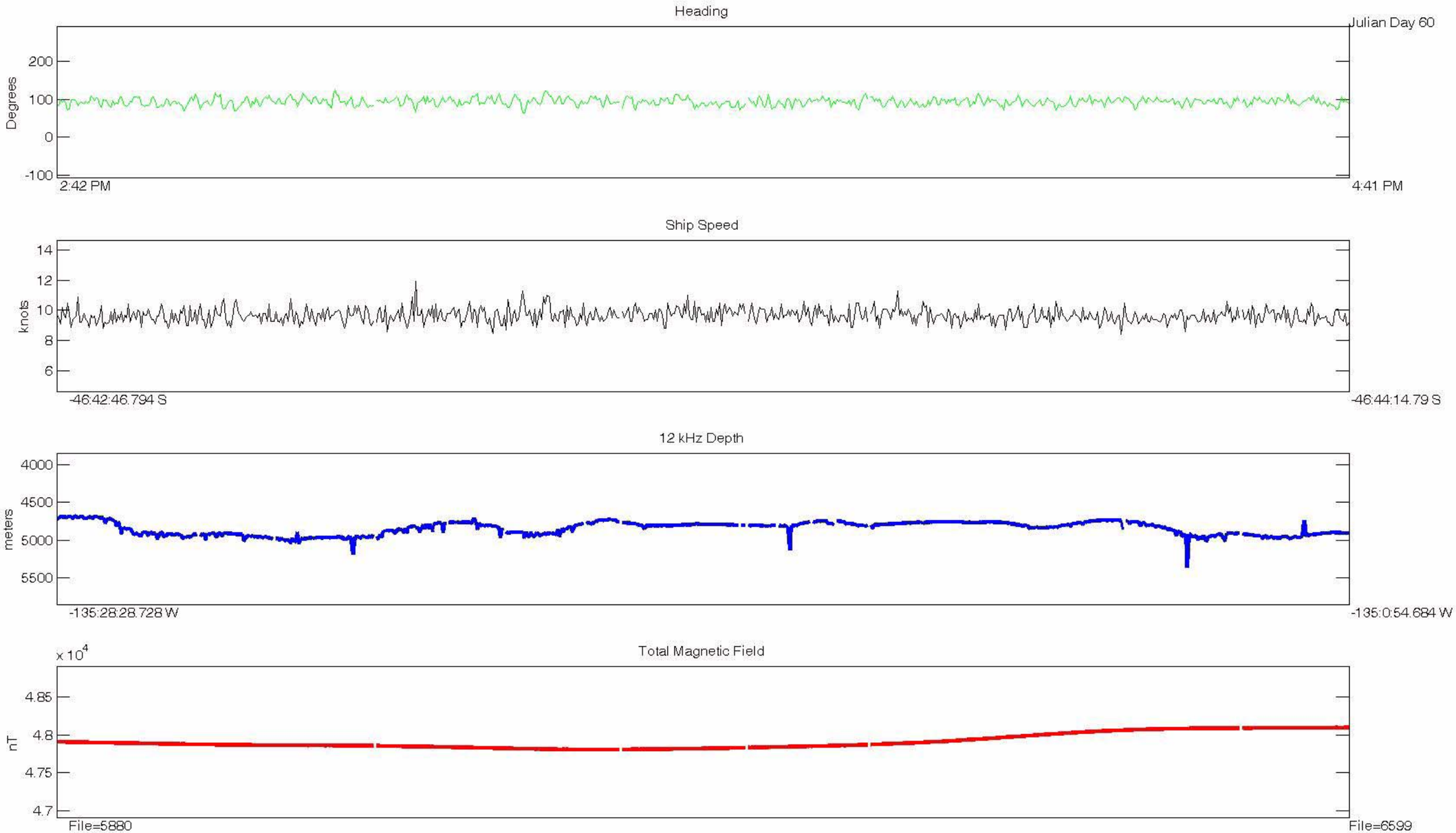

HOUR
11.5
11
10.5
W
E
JD
MINUTE
60
6 km
TUIM 3 Seismic
JD 60
Time (ms)
Two way travel time (ms)

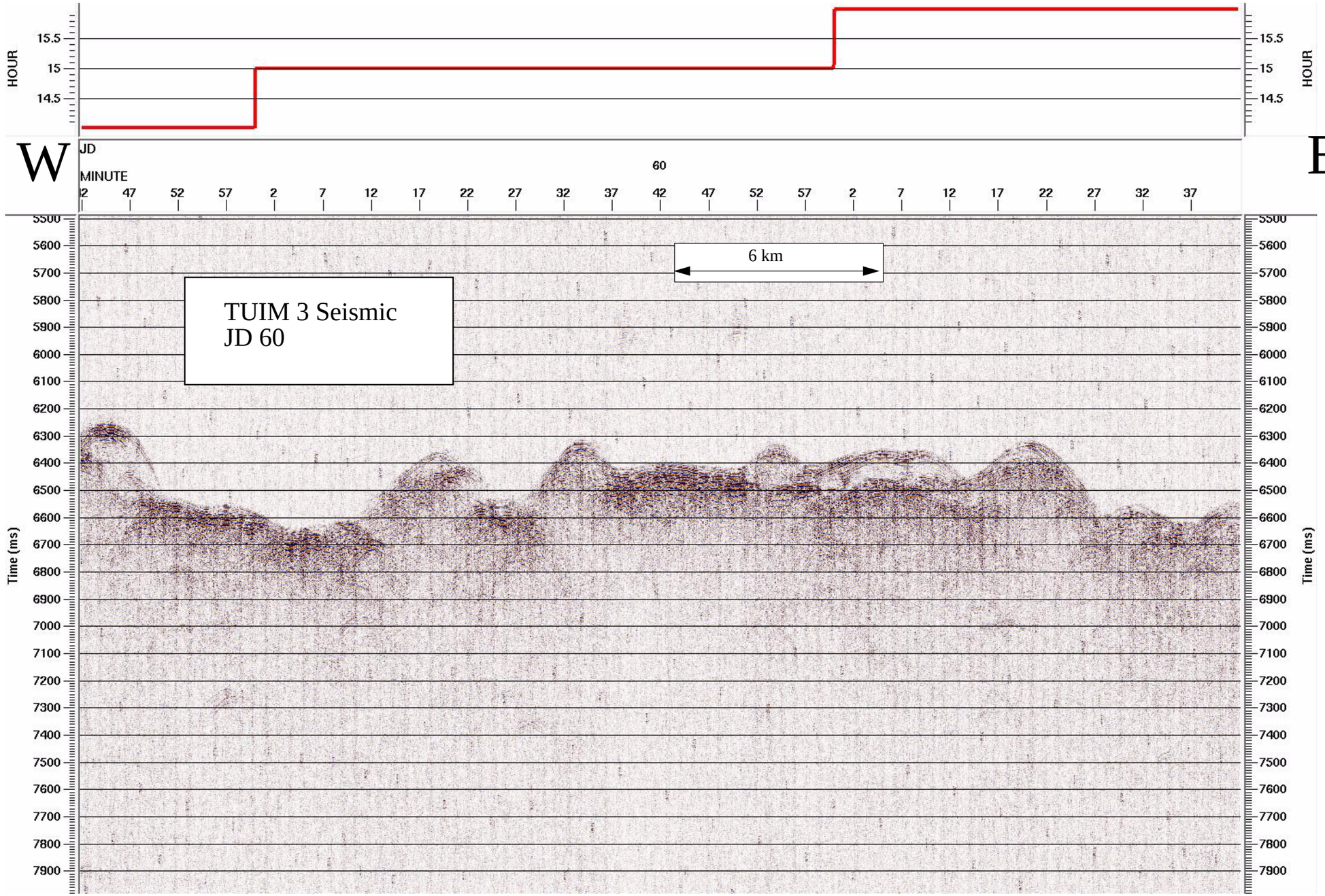

Heading
Julian Day 60
Degrees
200
100
0
-100
12:42 PM
2:41 PM
Ship Speed
knots
14
12
10
8
6
-46:41:16.782 S
-46:42:46.692 S
12 kHz Depth
meters
4000
4500
5000
5500
-135:56:37.158 W
-135:28:31.02 W
Total Magnetic Field
x 10^4
nT
4.85
4.8
4.75
4.7
File=5160
File=5879

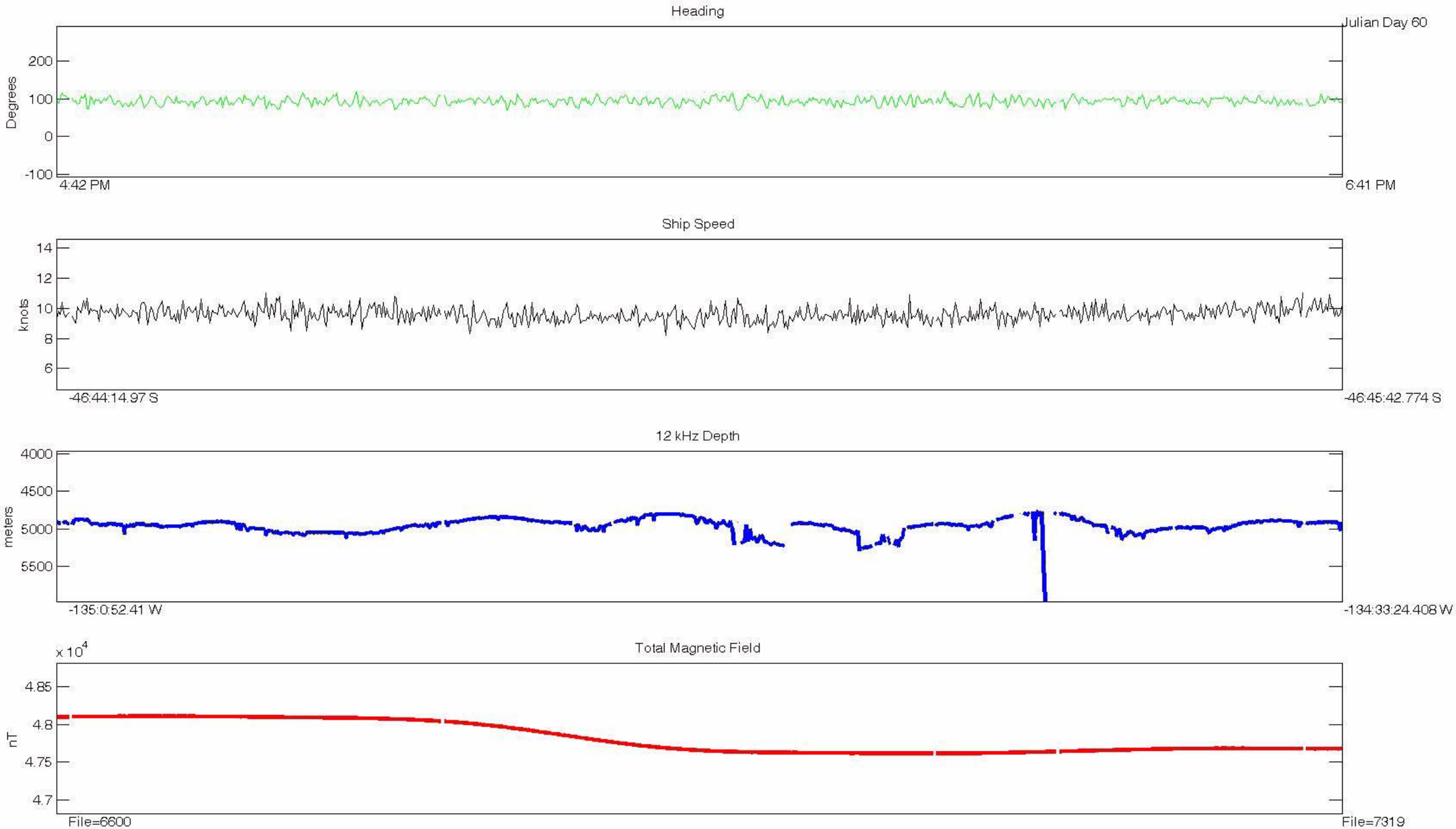

HOUR
13.5
13
12.5
W
E
JD
MINUTE
60
TUIM 3 Seismic
JD 60
6 km
Time (ms)
Two way travel time (ms)

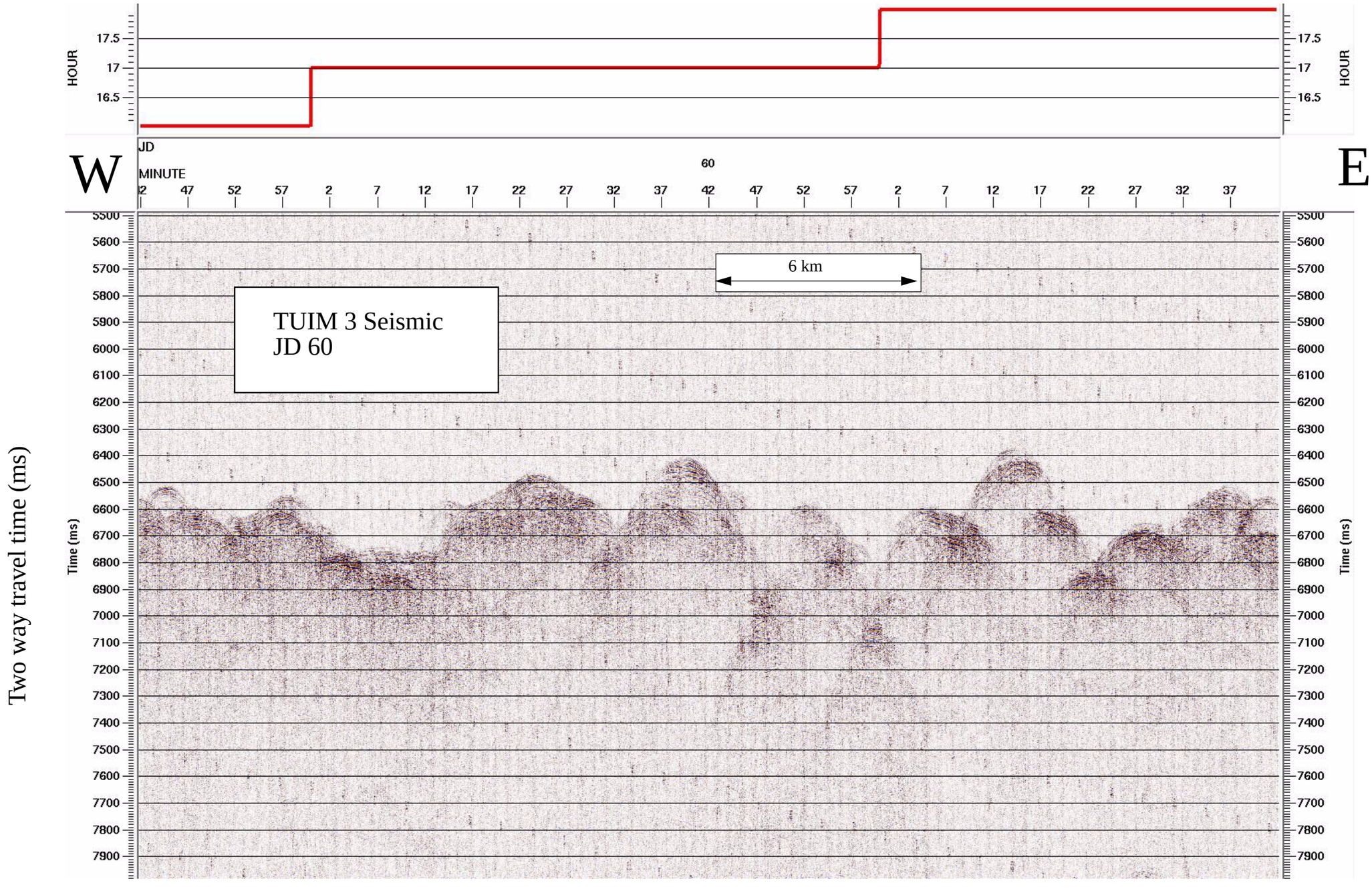
Data File SBfixavg.2005mar01.1800-2400

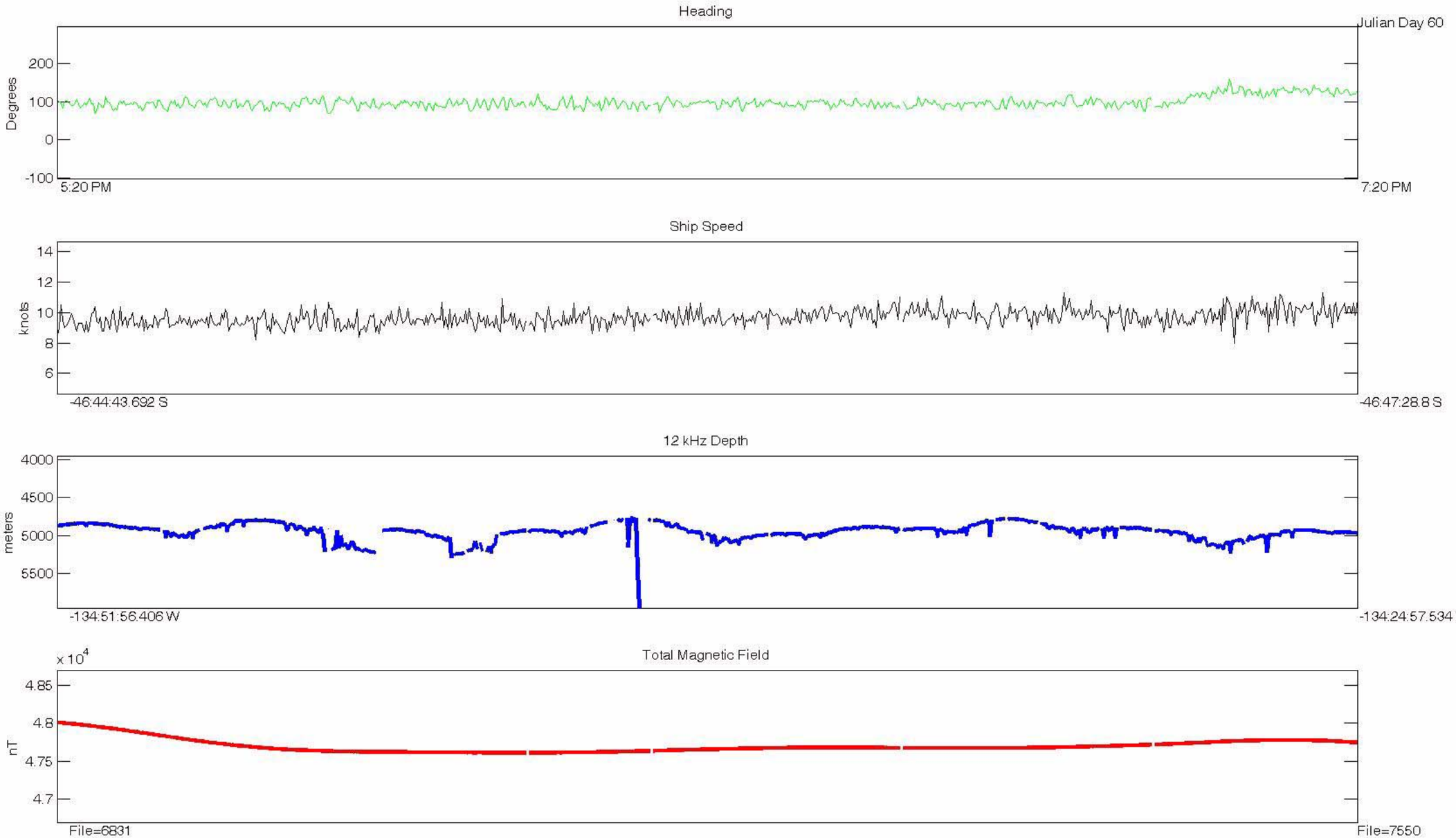


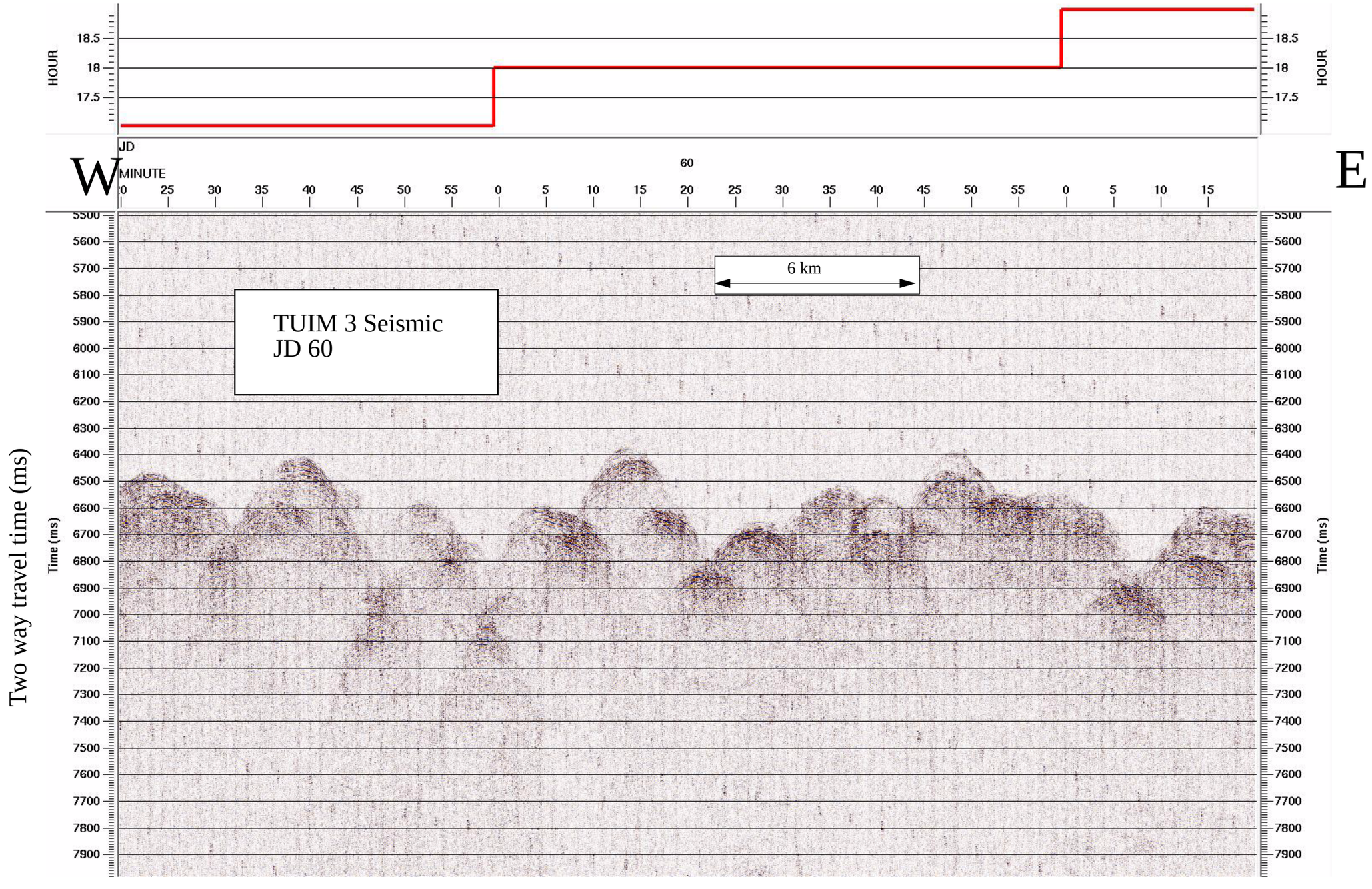

Heading
Julian Day 60
Degrees
200
100
0
-100
2:42 PM
4:41 PM
Ship Speed
knots
14
12
10
8
6
-46:42:46.794 S
-46:44:14.79 S
12 kHz Depth
meters
4000
4500
5000
5500
-135:28:28.728 W
-135:0:54.684 W
Total Magnetic Field
x 10^4
nT
4.85
4.8
4.75
4.7
File=5880
File=6599


HOUR
15.5
15
14.5
W
E
JD
MINUTE
60
6 km
TUIM 3 Seismic
JD 60
Time (ms)
Two way travel time (ms)


Heading
Julian Day 60
Degrees
200
100
0
-100
4:42 PM
6:41 PM
Ship Speed
knots
14
12
10
8
6
-46:44:14.97 S
-46:45:42.774 S
12 kHz Depth
meters
4000
4500
5000
5500
-135:0:52.41 W
-134:33:24.408 W
Total Magnetic Field
x 10^4
nT
4.85
4.8
4.75
4.7
File=6600
File=7319

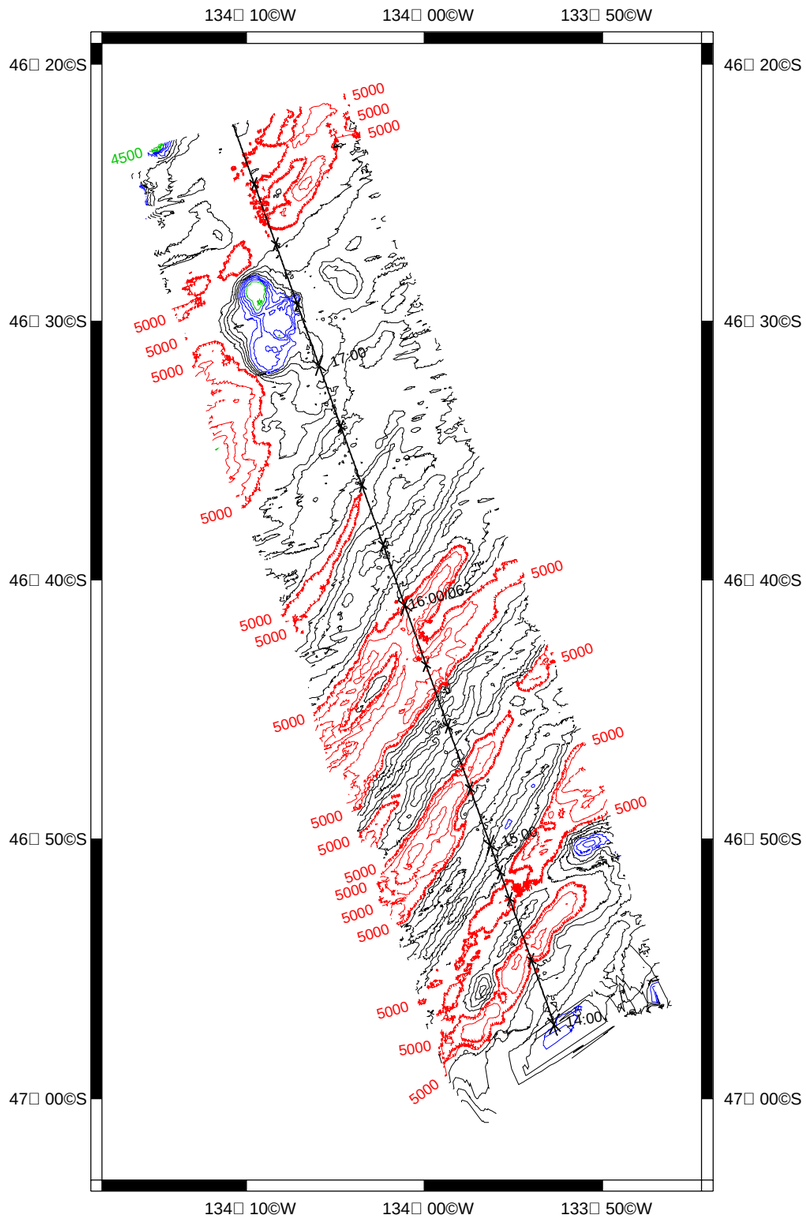

HOUR
17.5
17
16.5
W
E
JD
MINUTE
60
6 km
TUIM 3 Seismic
JD 60
Time (ms)
Two way travel time (ms)

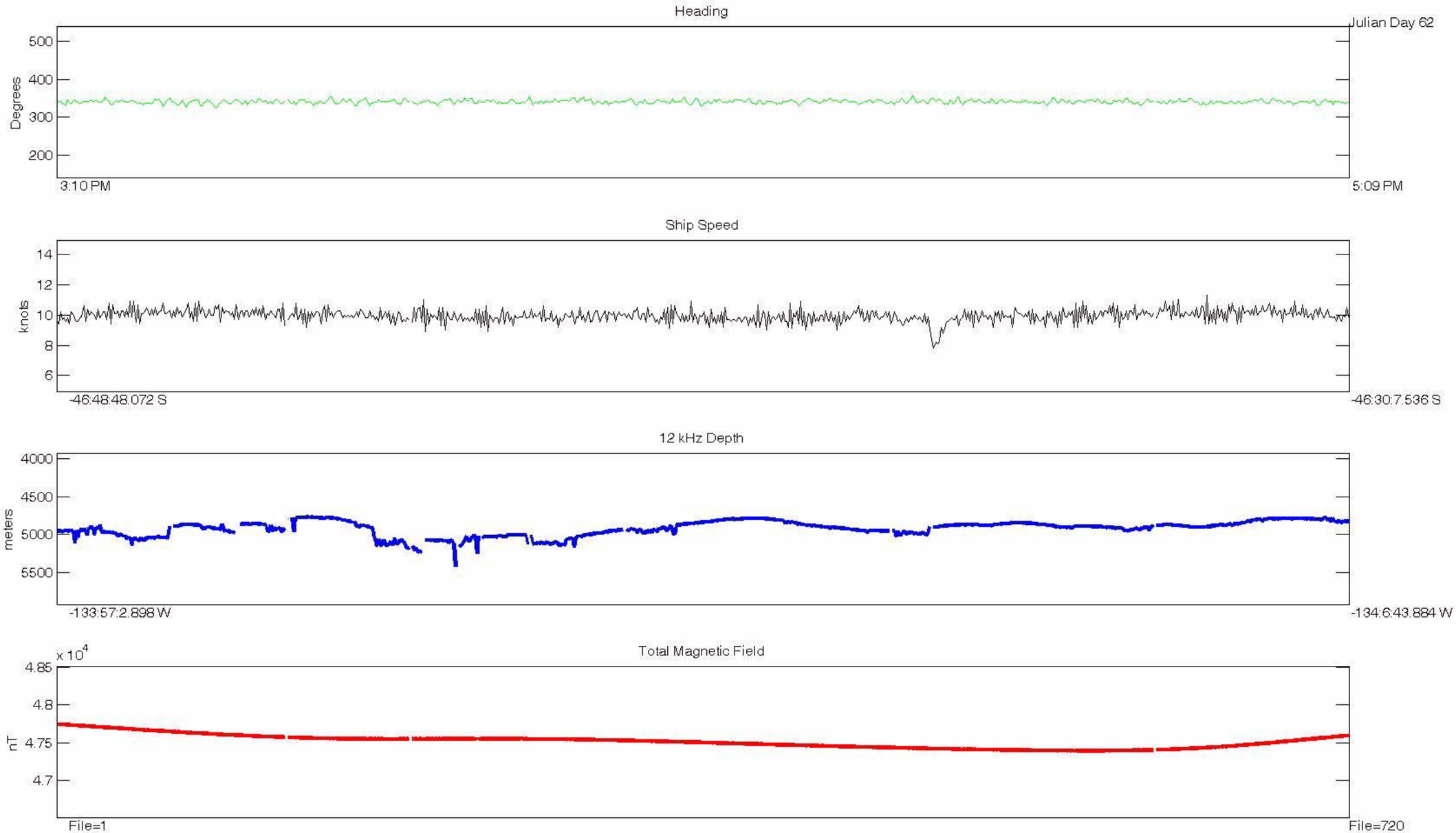

Heading
Julian Day 60
Degrees
200
100
0
-100
5:20 PM
7:20 PM
Ship Speed
knots
14
12
10
8
6
-46:44:43.692 S
-46:47:28.8 S
12 kHz Depth
meters
4000
4500
5000
5500
-134:51:56.406 W
-134:24:57.534 W
Total Magnetic Field
x 10^4
nT
4.85
4.8
4.75
4.7
File=6831
File=7550

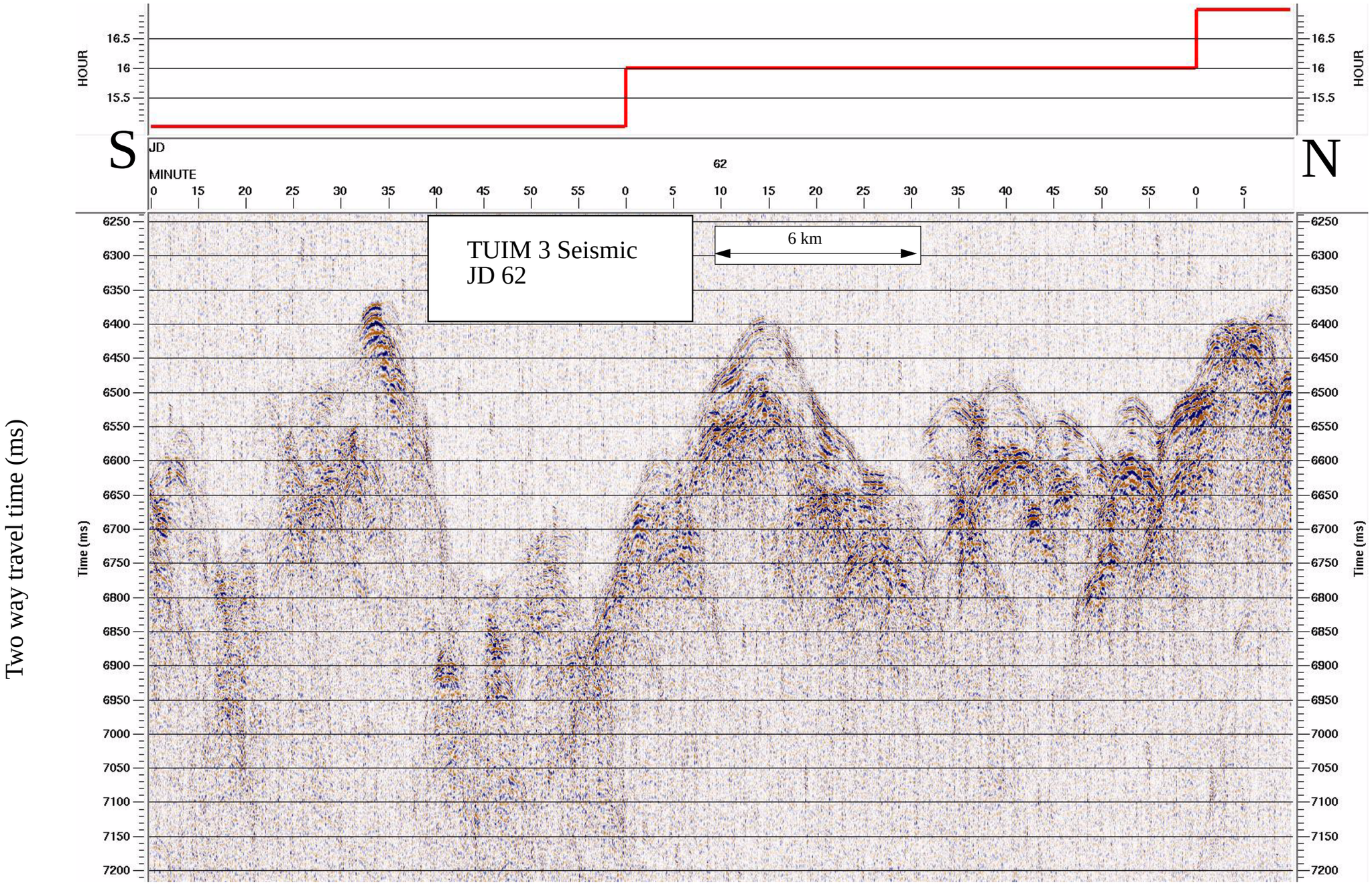

HOUR
18.5
18
17.5
JD
MINUTE
60
W
E
6 km
TUIM 3 Seismic
JD 60
Two way travel time (ms)
Time (ms)
5500
5600
5700
5800
5900
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
7800
7900

Julian Day 62
3 March 2005
150 c.i GI gun Source,
4-channel SIO streamer

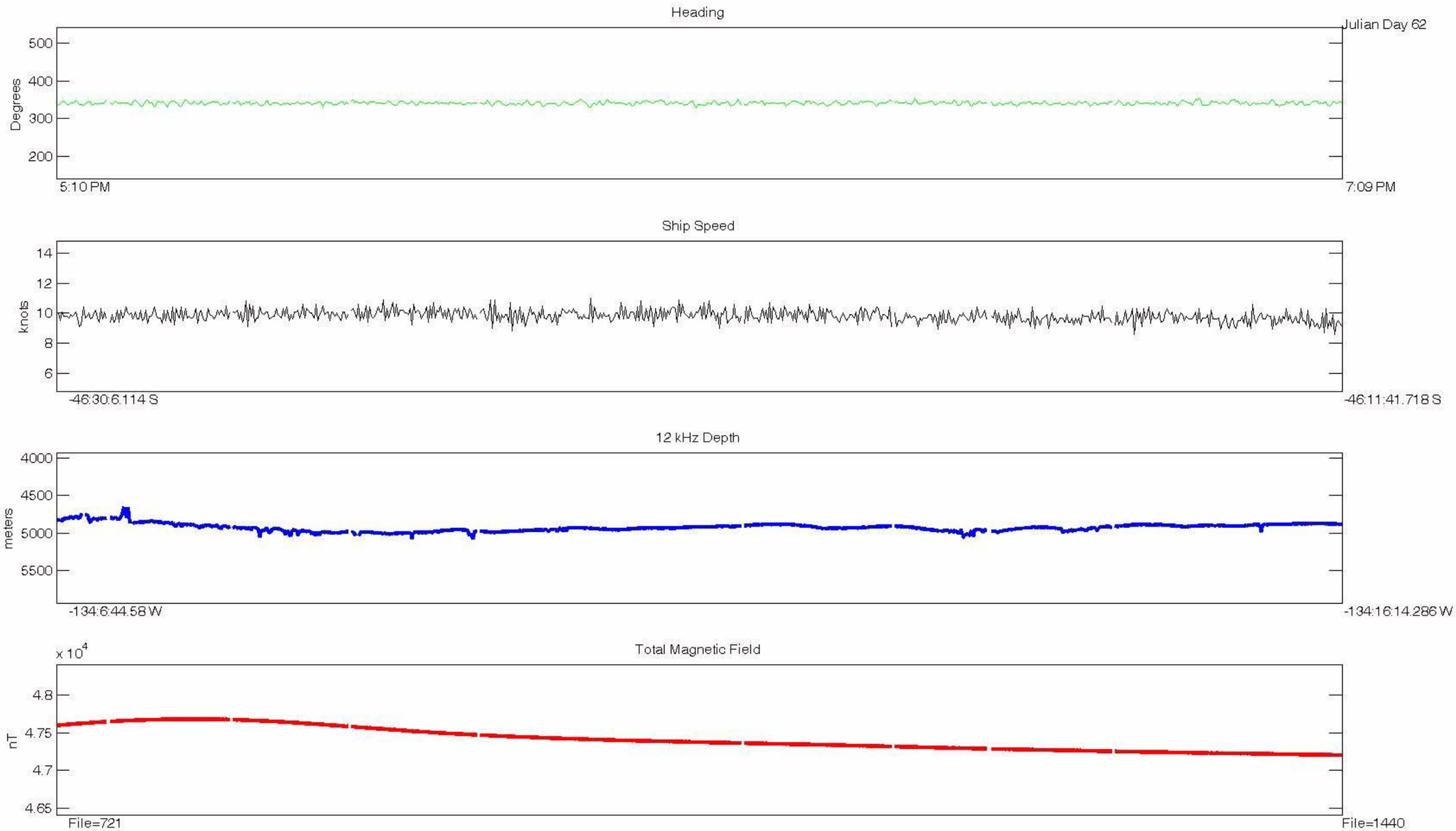
Data File SBfixavg.2005mar03.1200-1800

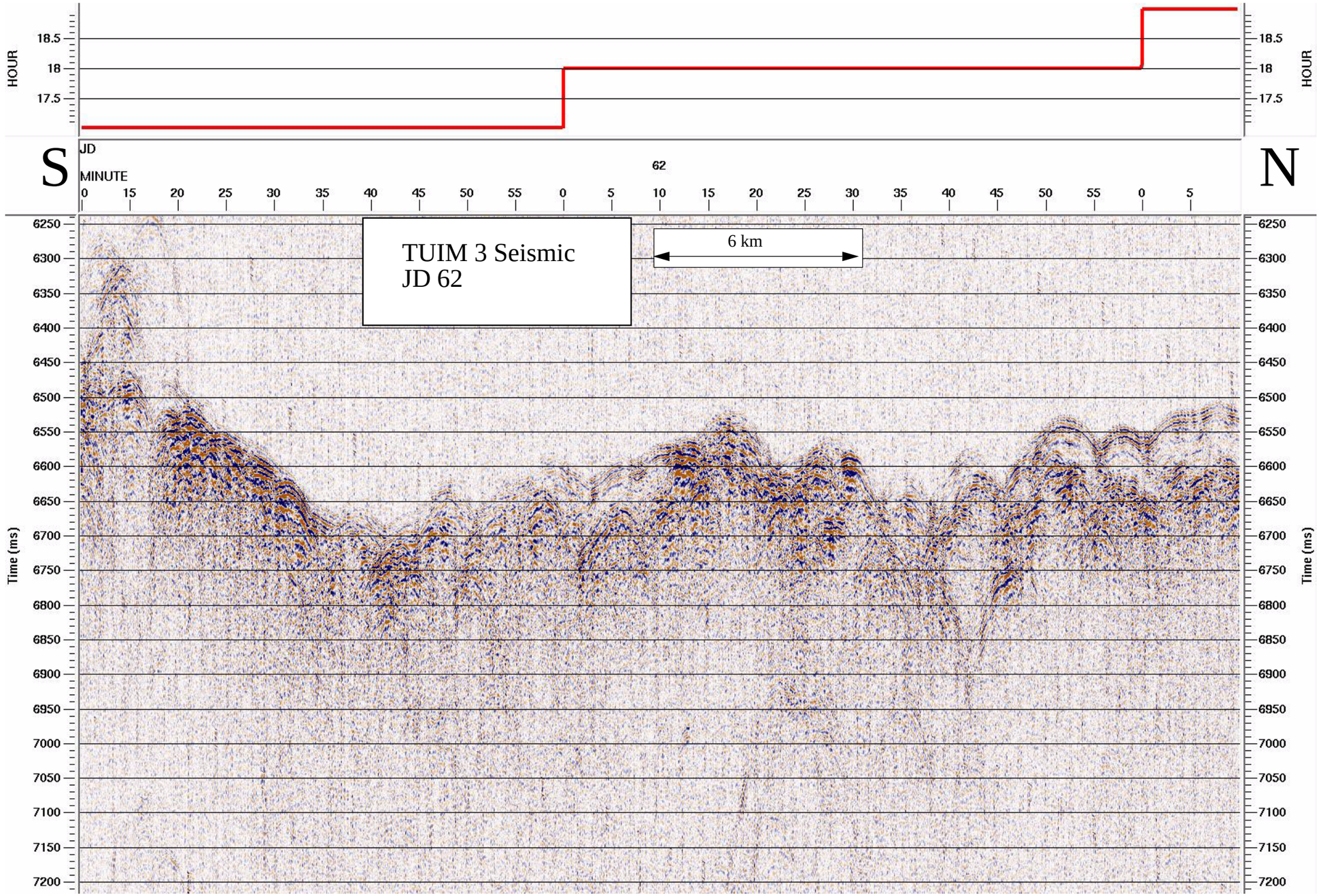



Heading
Julian Day 62
500
400
300
200
Degrees
3:10 PM
5:09 PM
Ship Speed
14
12
10
8
6
knots
-46:48:48.072 S
-46:30:7.536 S
12 kHz Depth
4000
4500
5000
5500
meters
-133:57:2.898 W
-134:6:43.884 W
x 10^4
Total Magnetic Field
4.85
4.8
4.75
4.7
nT
File=1
File=720



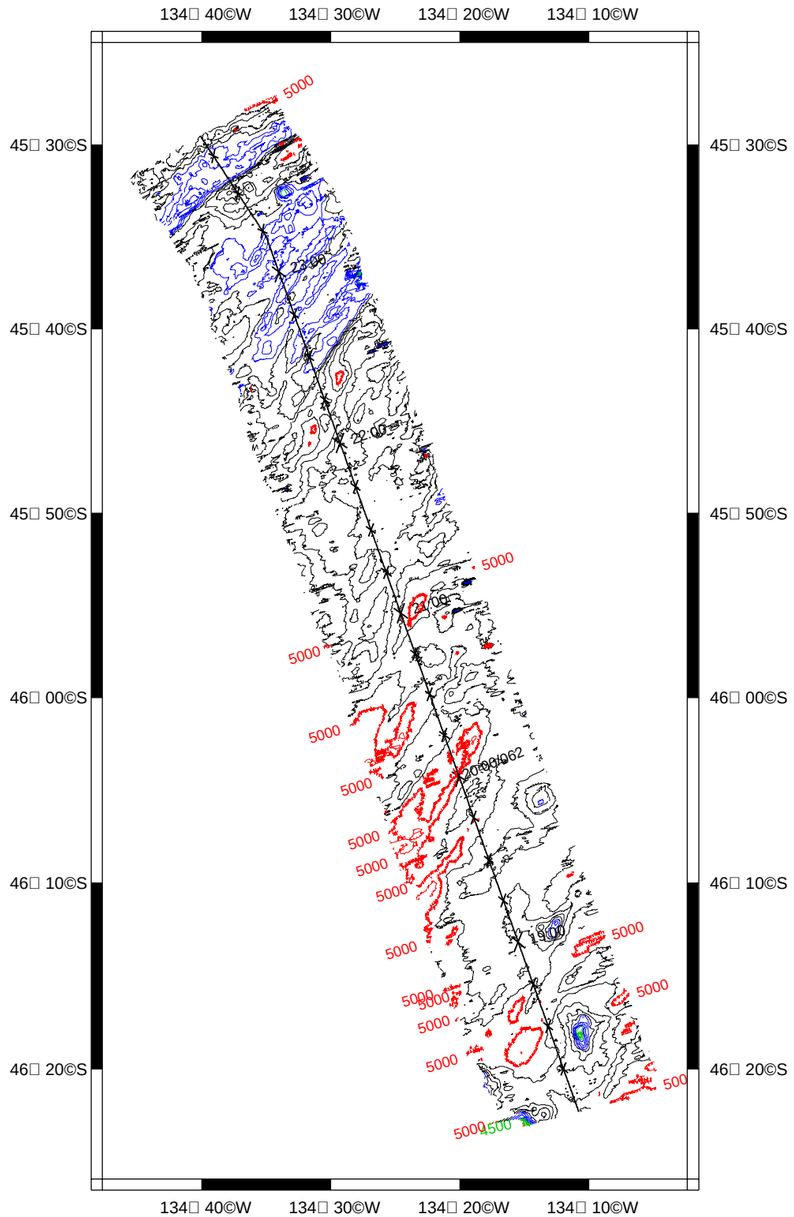
Two way travel time (ms)

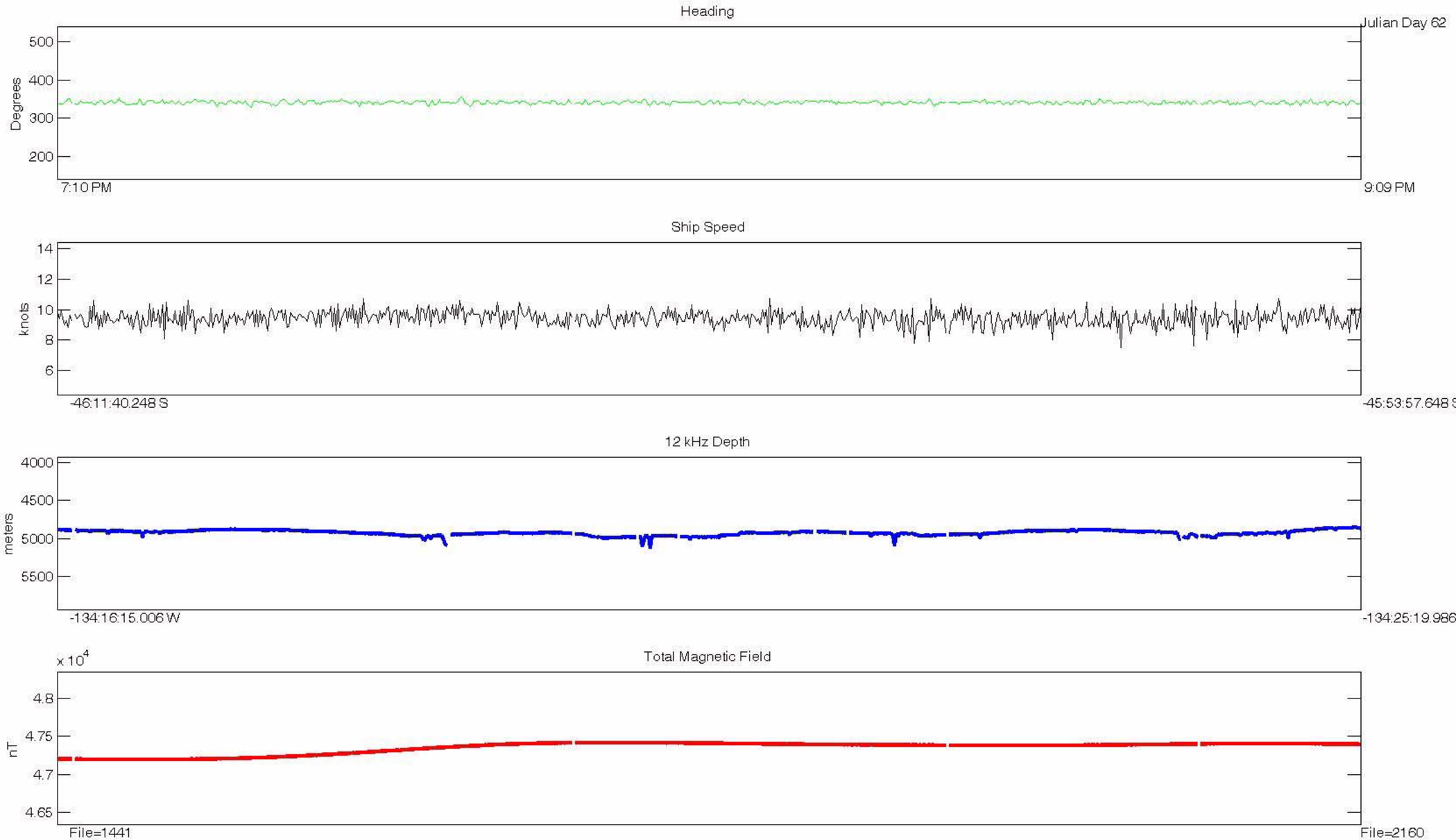

Heading
Julian Day 62
Degrees
500
400
300
200
5:10 PM
7:09 PM
Ship Speed
knots
14
12
10
8
6
-46:30:6.114 S
-46:11:41.718 S
12 kHz Depth
meters
4000
4500
5000
5500
-134:6:44.58 W
-134:16:14.286 W
Total Magnetic Field
x 10^4
nT
4.8
4.75
4.7
4.65
File=721
File=1440

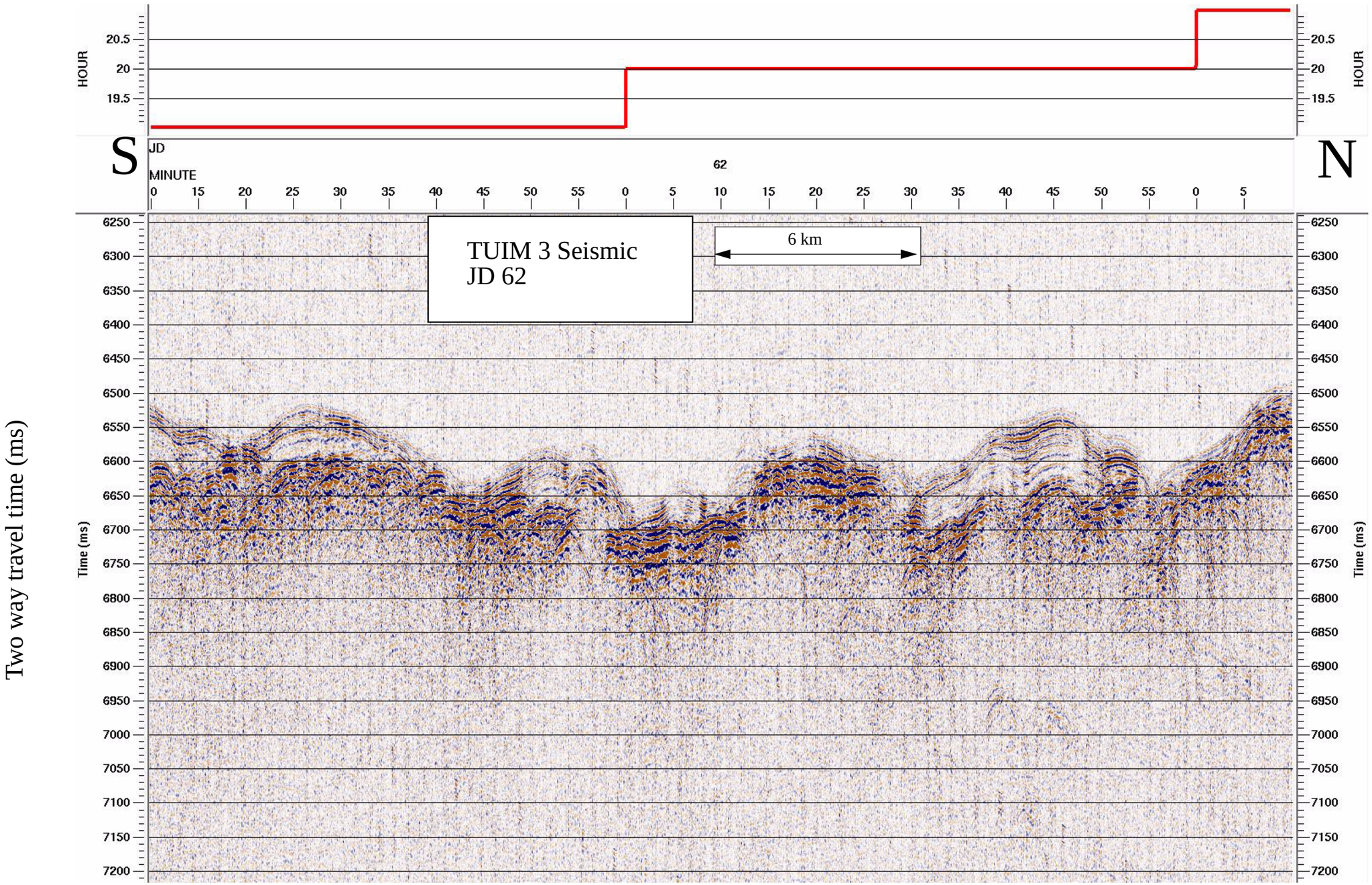


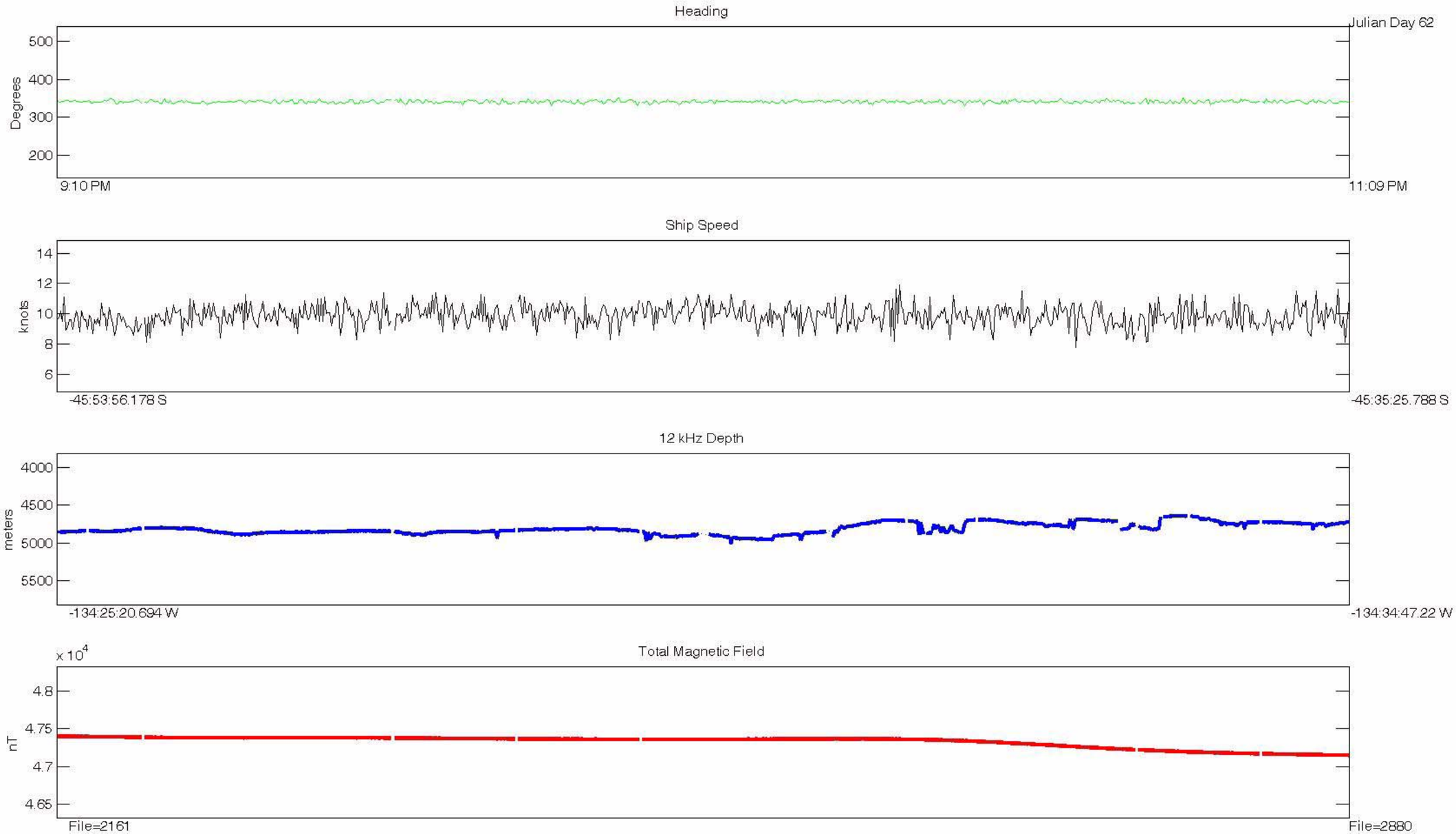
Two way travel time (ms)

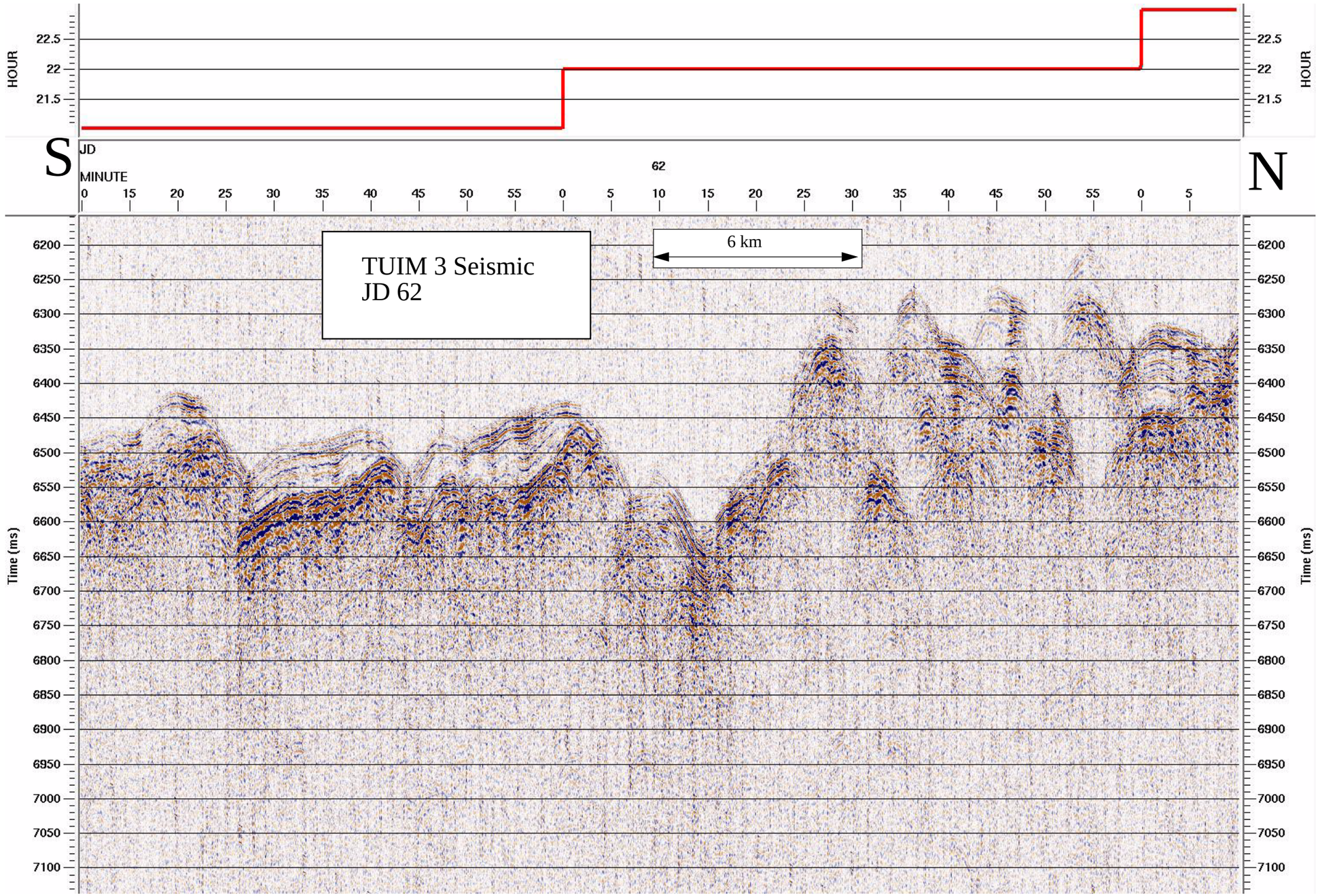
Data File SBfixavg.2005mar03.1800-2400



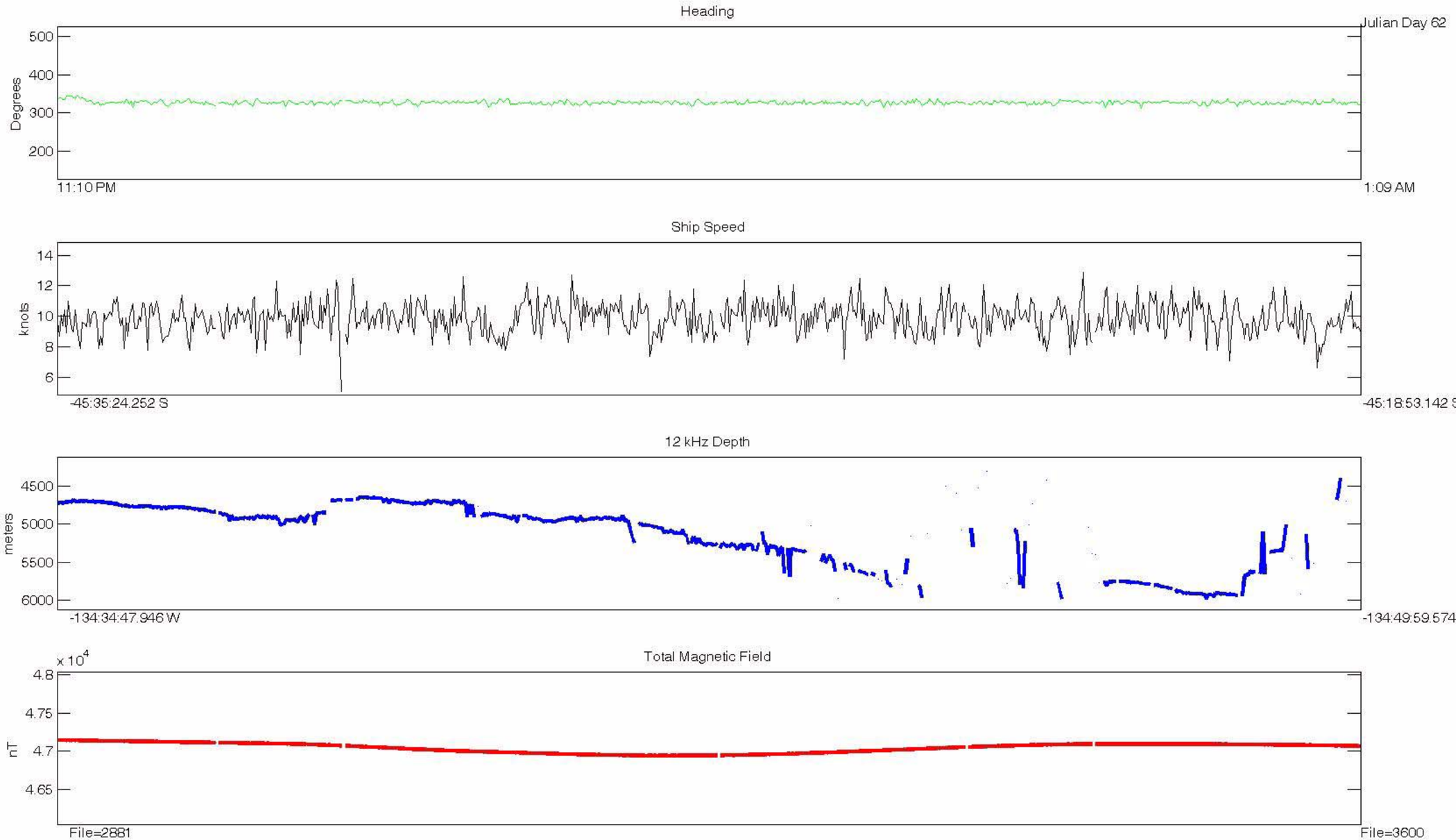

Heading
Julian Day 62
500
400
300
200
Degrees
7:10 PM
9:09 PM
Ship Speed
14
12
10
8
6
knots
-46:11:40.248 S
-45:53:57.648 S
12 kHz Depth
4000
4500
5000
5500
meters
-134:16:15.006 W
-134:25:19.986 W
x 10^4
Total Magnetic Field
4.8
4.75
4.7
4.65
nT
File=1441
File=2160

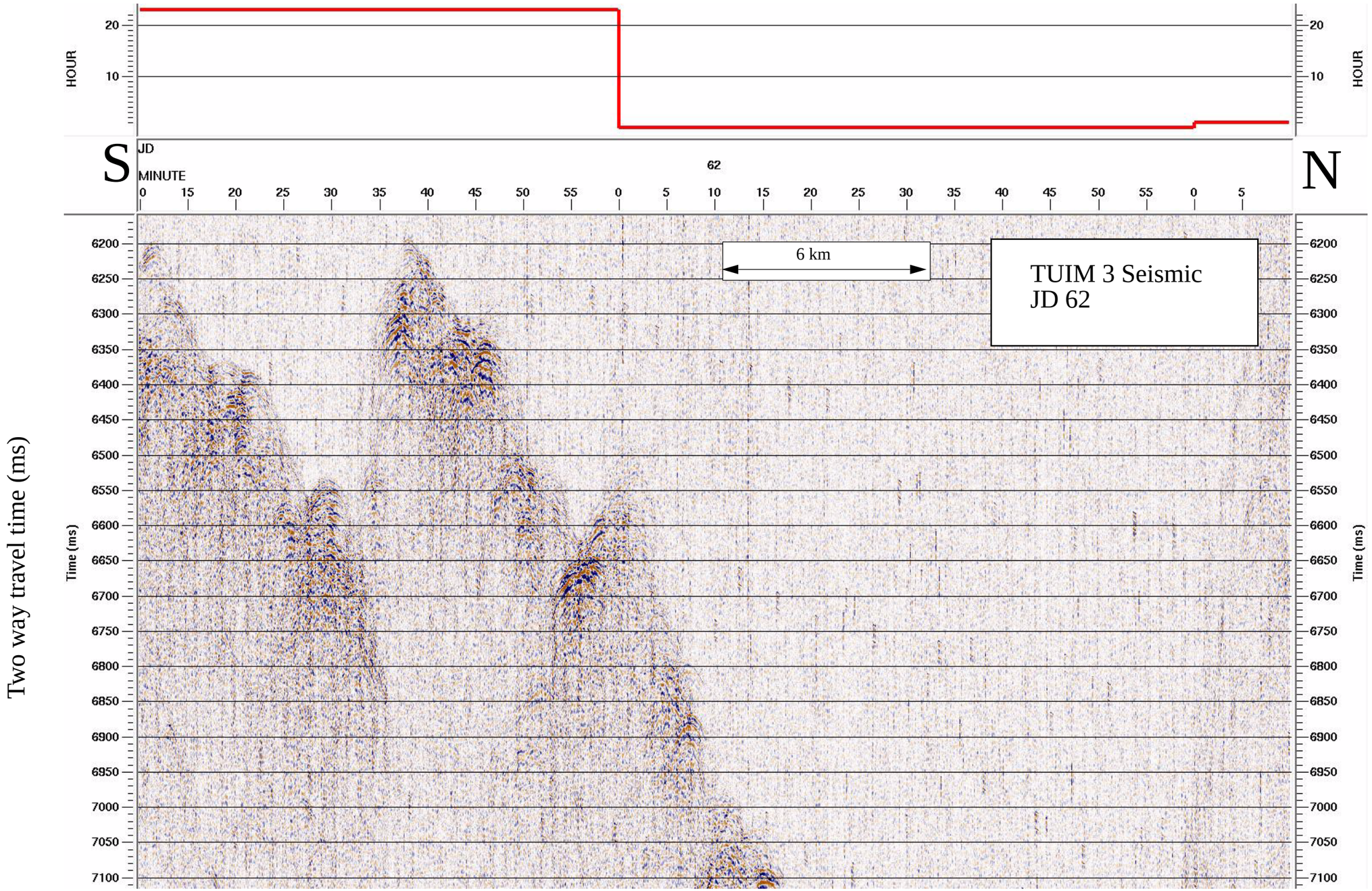

HOUR
20.5
20
19.5
S
N
JD
62
MINUTE
0 15 20 25 30 35 40 45 50 55 0 5 10 15 20 25 30 35 40 45 50 55 0 5
TUIM 3 Seismic
JD 62
6 km
Time (ms)
6250 6300 6350 6400 6450 6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200
Two way travel time (ms)


Heading
Julian Day 62
500
400
300
200
Degrees
9:10 PM
11:09 PM
Ship Speed
14
12
10
8
6
knots
-45:53:56.178 S
-45:35:25.788 S
12 kHz Depth
4000
4500
5000
5500
meters
-134:25:20.694 W
-134:34:47.22 W
x 10^4
Total Magnetic Field
4.8
4.75
4.7
4.65
nT
File=2161
File=2880



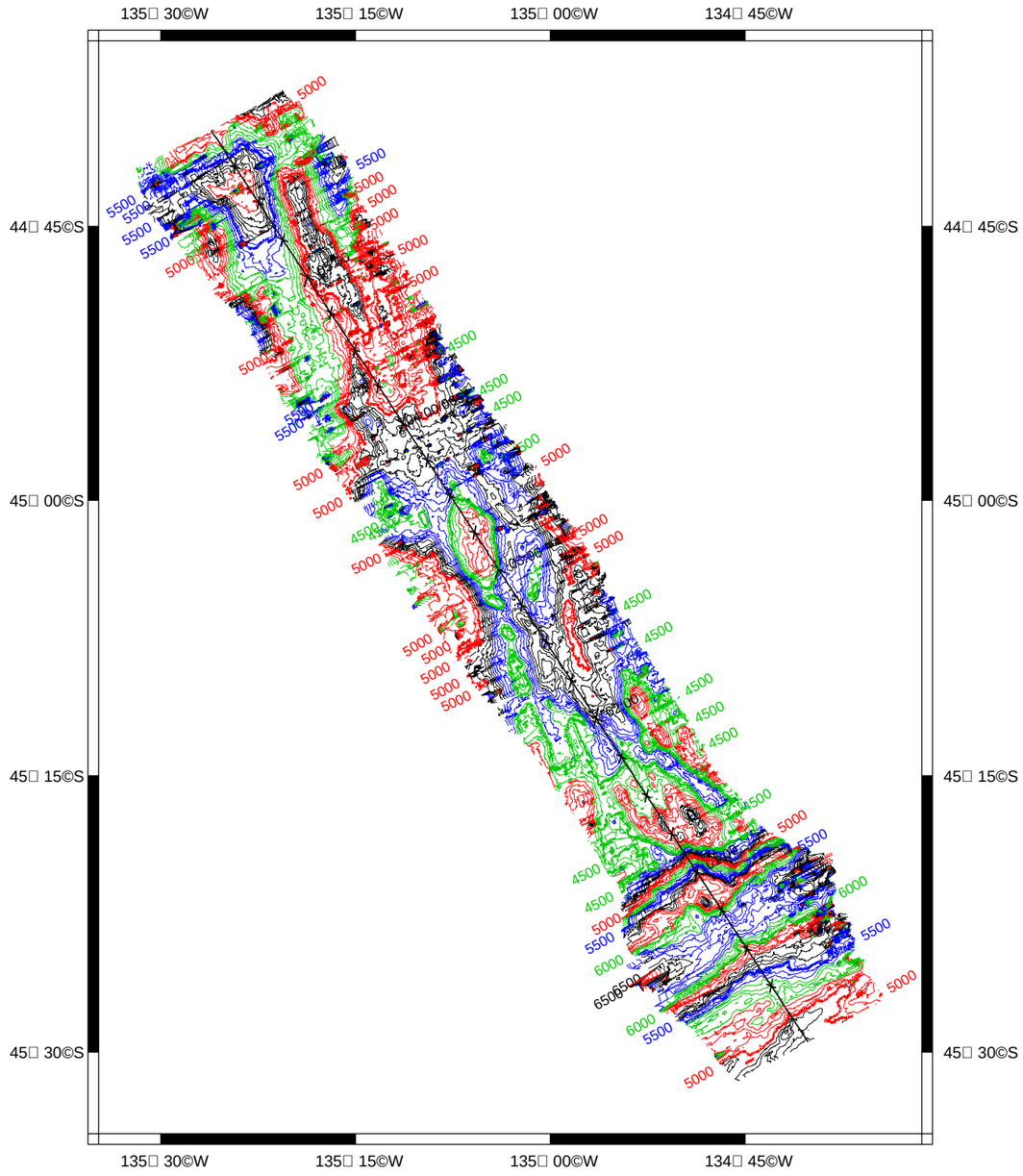
Two way travel time (ms)

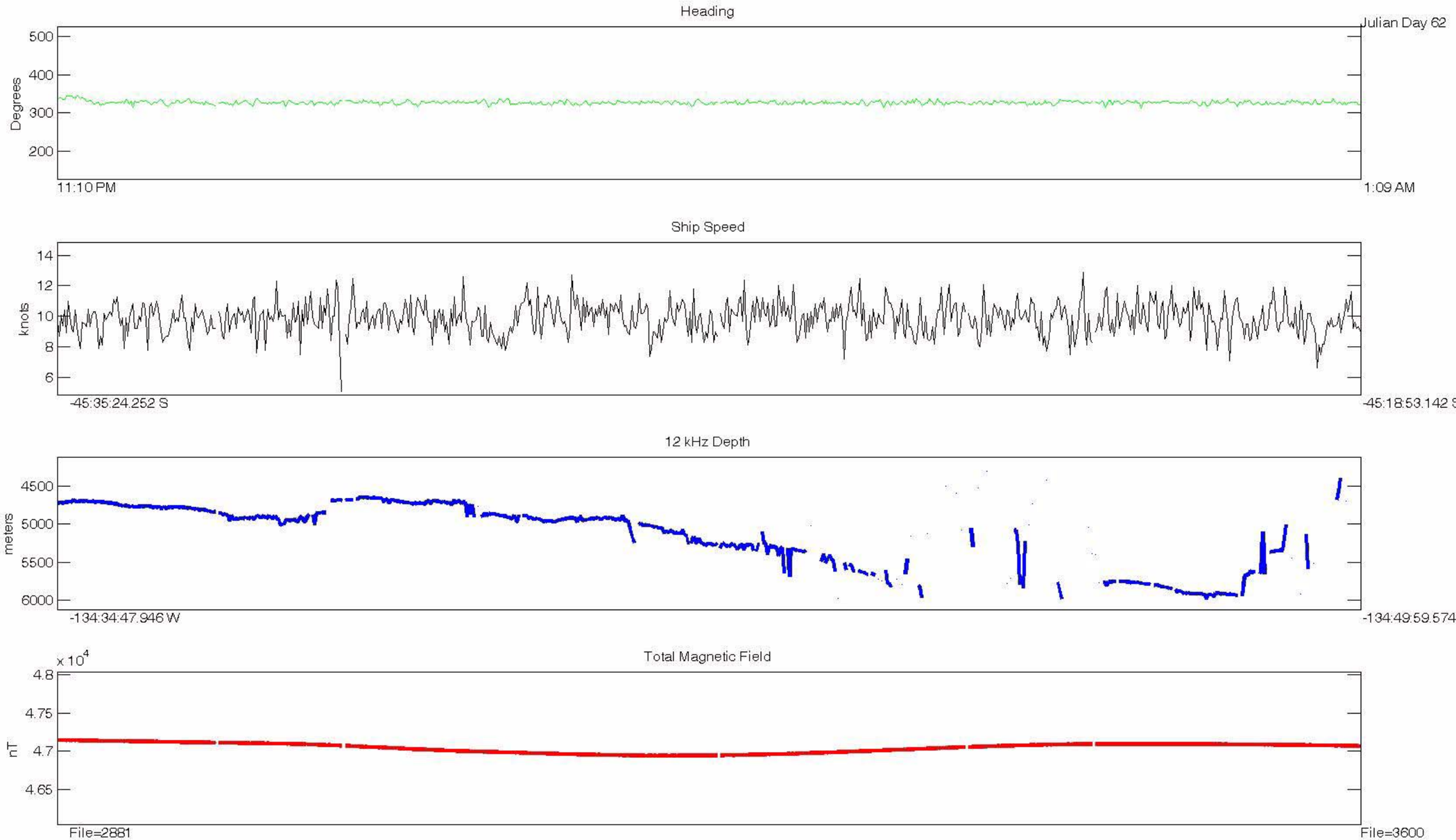

Heading
Julian Day 62
Degrees
500
400
300
200
11:10 PM
1:09 AM
Ship Speed
knots
14
12
10
8
6
-45:35:24.252 S
-45:18:53.142 S
12 kHz Depth
meters
4500
5000
5500
6000
-134:34:47.946 W
-134:49:59.574 W
Total Magnetic Field
x 10^4
nT
4.8
4.75
4.7
4.65
File=2881
File=3600

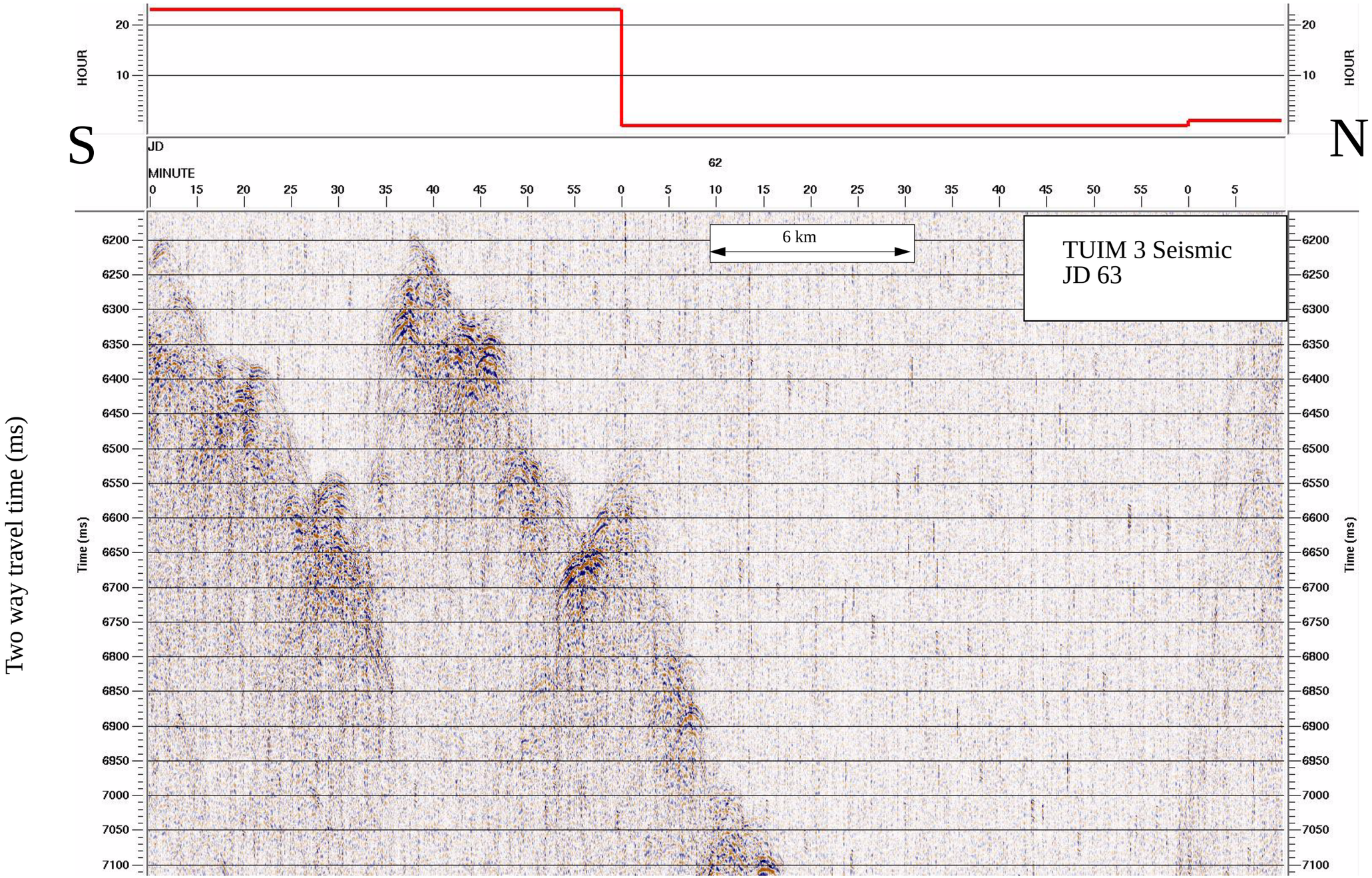

HOUR
20
10
S
JD
MINUTE
62
N
0 15 20 25 30 35 40 45 50 55 0 5 10 15 20 25 30 35 40 45 50 55 0 5
6 km
TUIM 3 Seismic
JD 62
Time (ms)
6200 6250 6300 6350 6400 6450 6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100
Two way travel time (ms)

Julian Day 63
4 March 2005
150 c.i GI gun Source,
4-channel SIO streamer

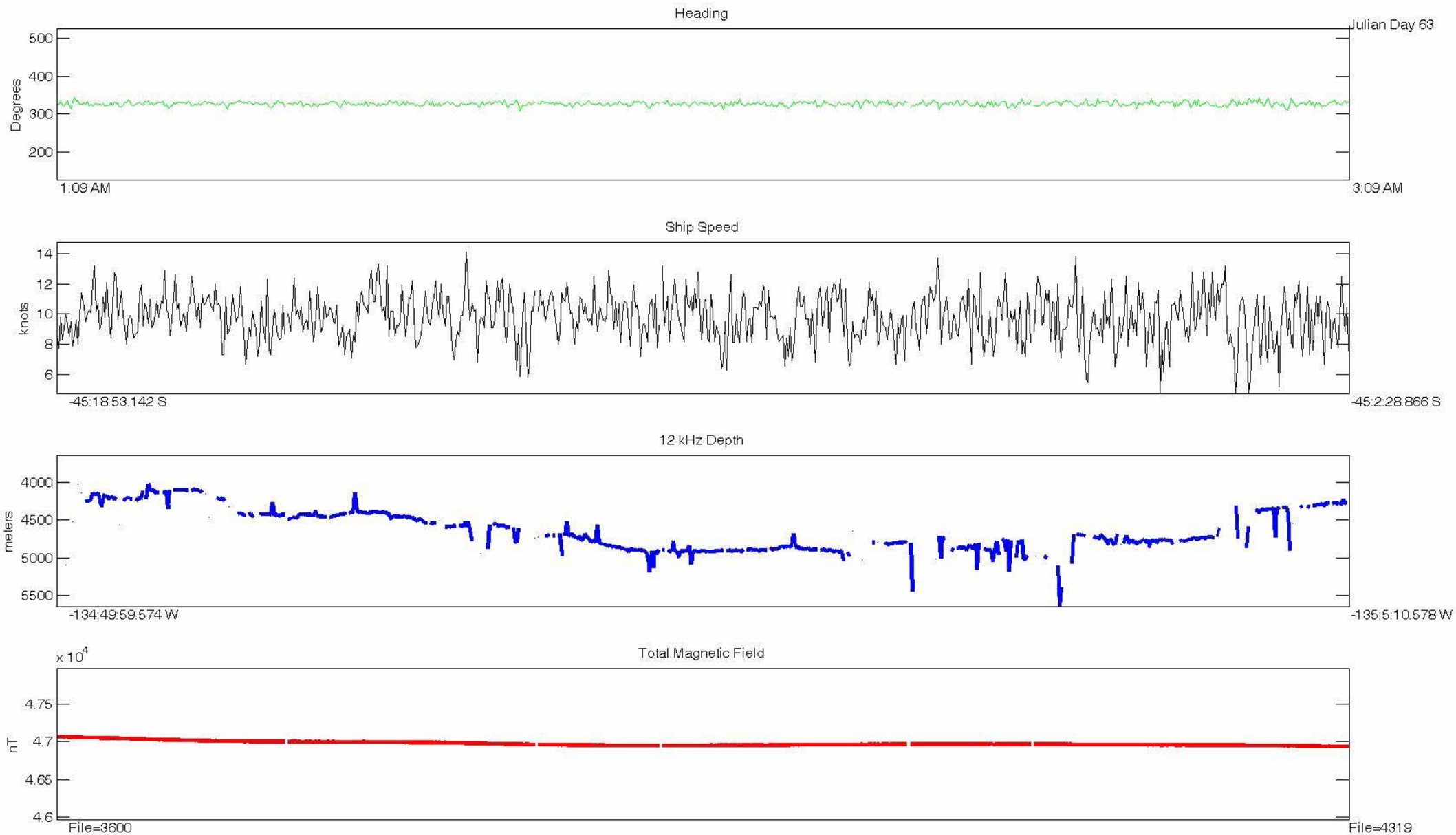
Data File SBfixavg.2005mar04.0000-0600

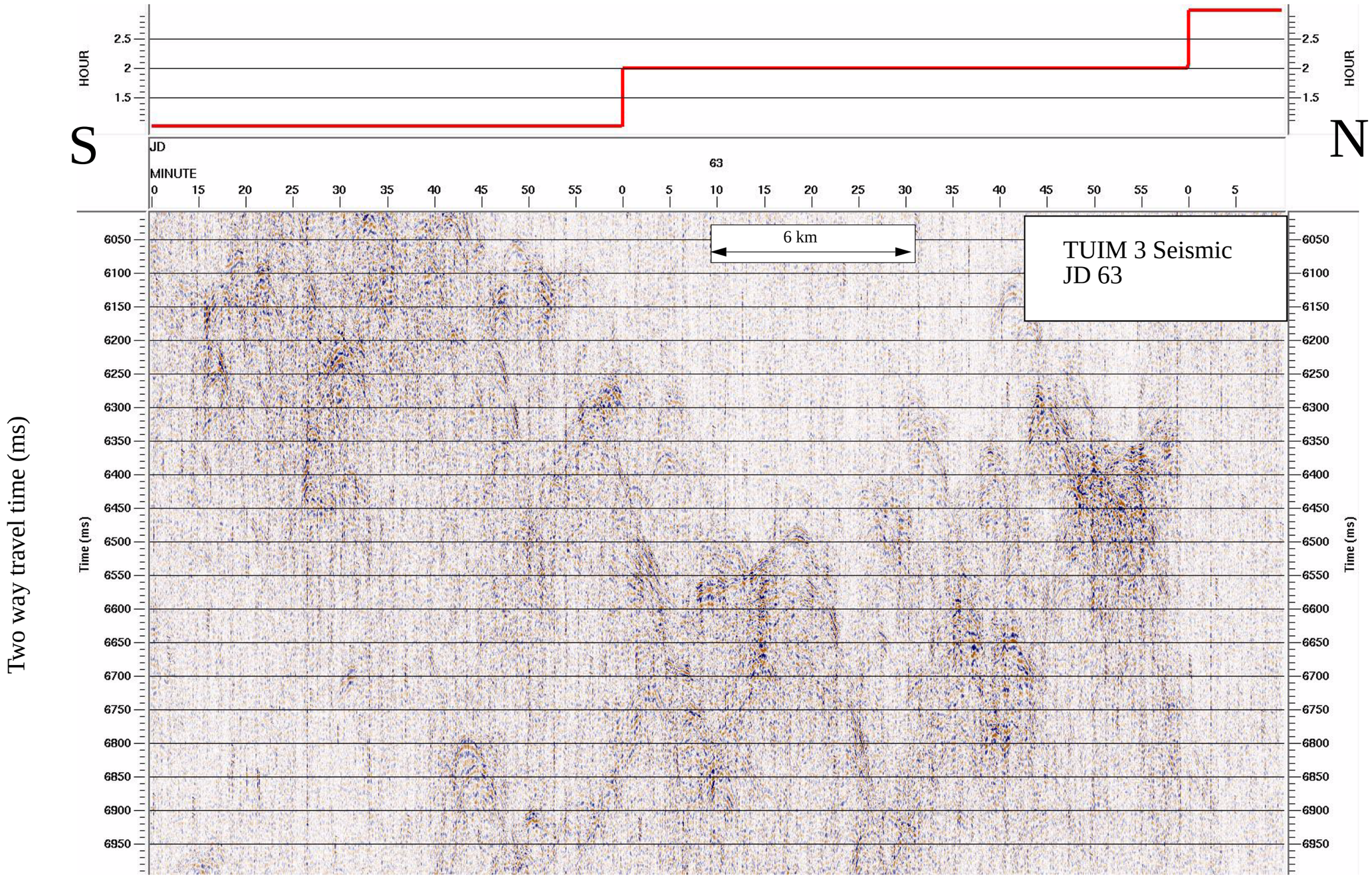


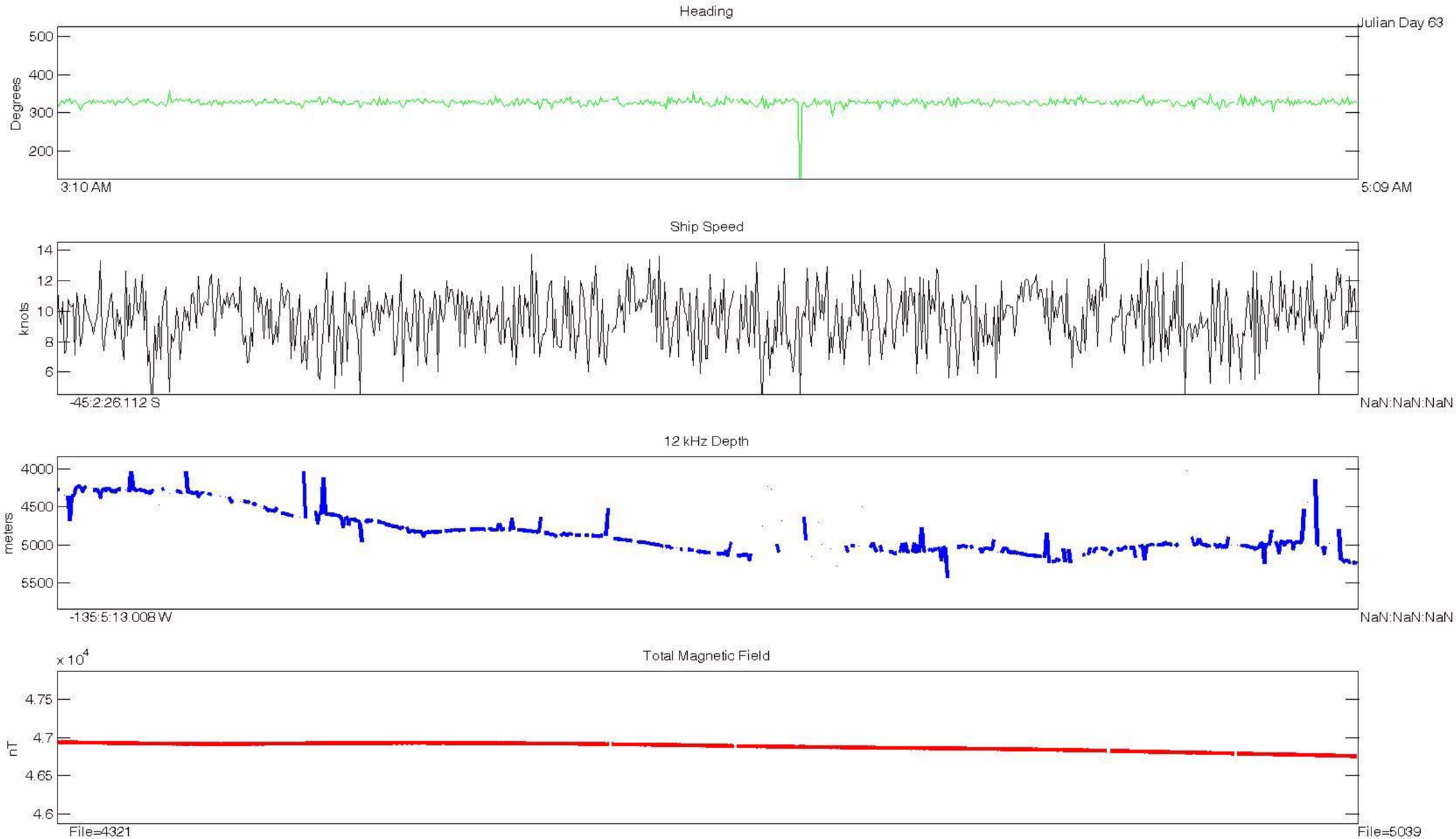

Heading
Julian Day 62
Degrees
500
400
300
200
11:10 PM
1:09 AM
Ship Speed
knots
14
12
10
8
6
-45:35:24.252 S
-45:18:53.142 S
12 kHz Depth
meters
4500
5000
5500
6000
-134:34:47.946 W
-134:49:59.574 W
Total Magnetic Field
x 10^4
nT
4.8
4.75
4.7
4.65
File=2881
File=3600

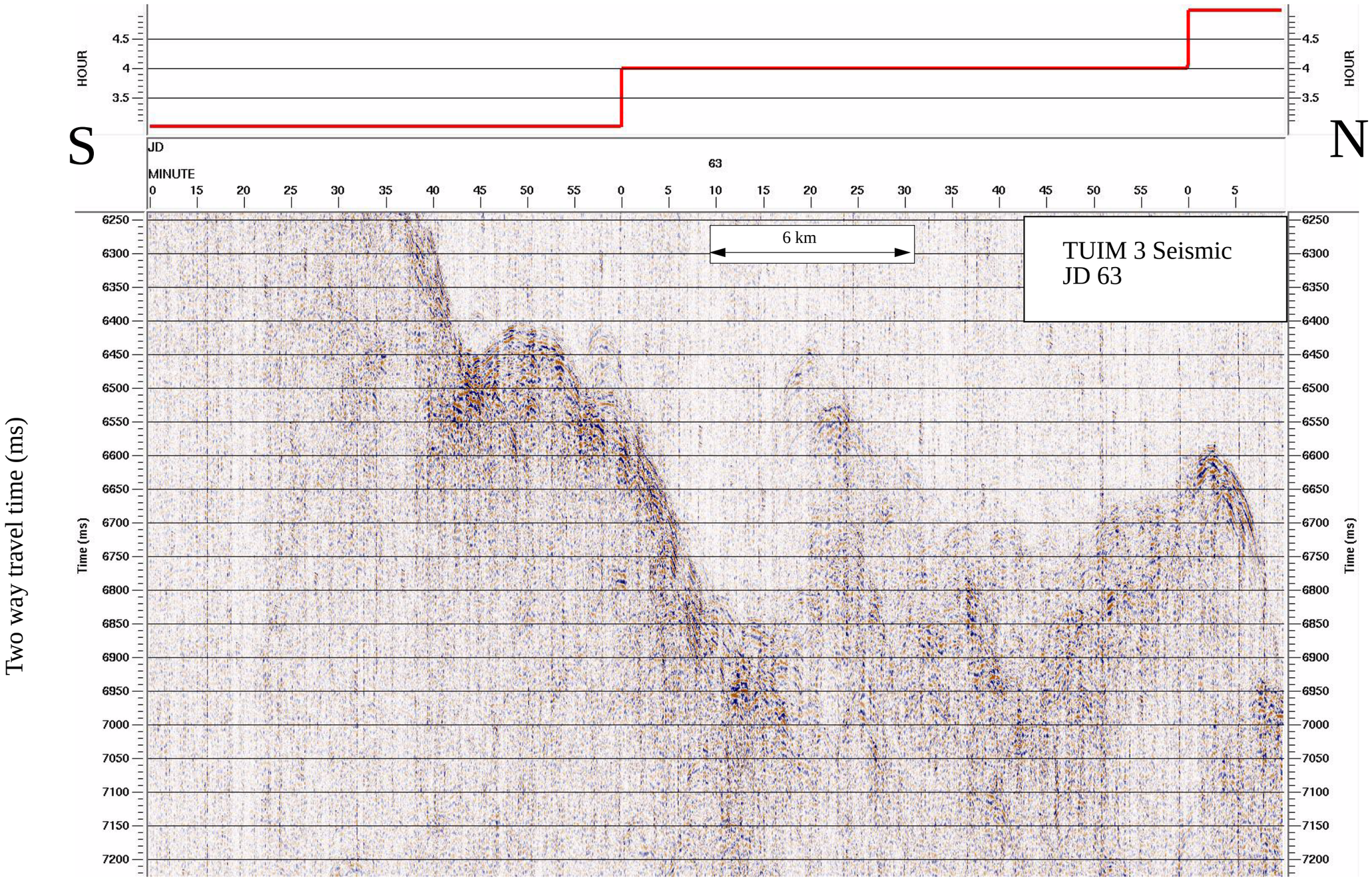


Two way travel time (ms)

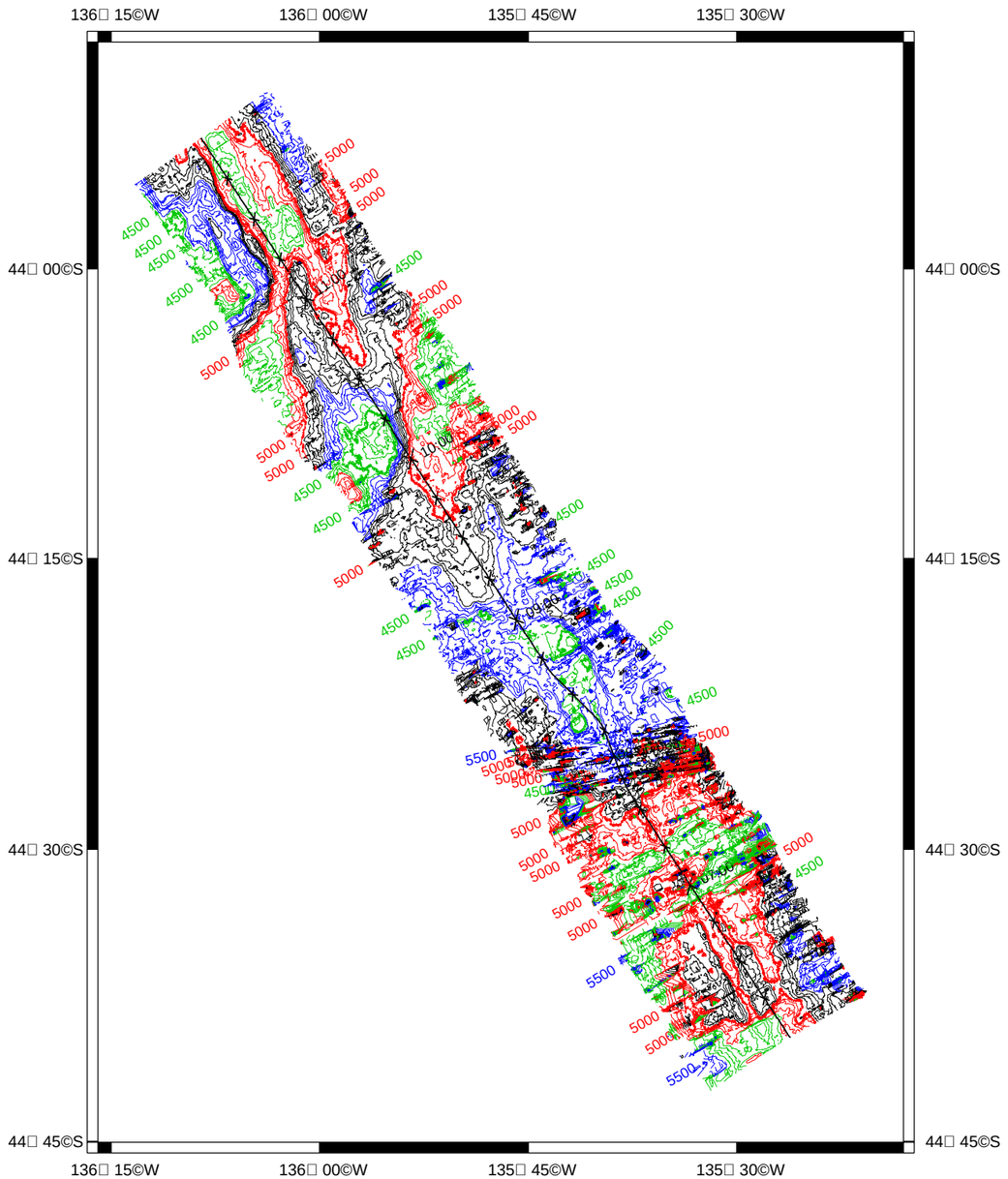

Heading
Julian Day 63
Degrees
500
400
300
200
1:09 AM
3:09 AM
Ship Speed
knots
14
12
10
8
6
-45:18:53.142 S
-45:2:28.866 S
12 kHz Depth
meters
4000
4500
5000
5500
-134:49:59.574 W
-135:5:10.578 W
x 10^4
Total Magnetic Field
nT
4.75
4.7
4.65
4.6
File=3600
File=4319

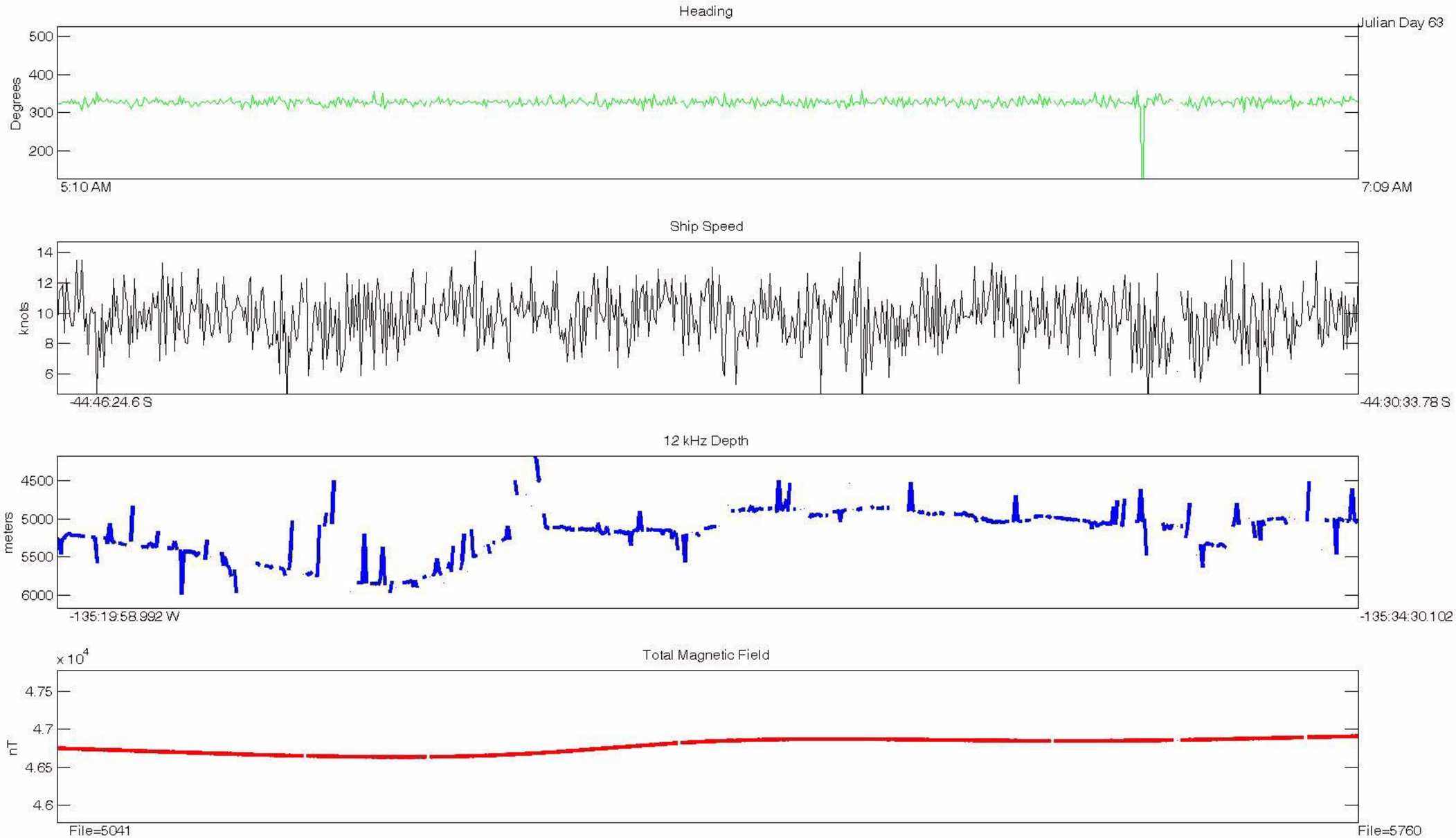

HOUR
2.5
2
1.5
S
N
JD
63
MINUTE
0 15 20 25 30 35 40 45 50 55 0 5 10 15 20 25 30 35 40 45 50 55 0 5
6 km
TUIM 3 Seismic
JD 63
Time (ms)
6050 6100 6150 6200 6250 6300 6350 6400 6450 6500 6550 6600 6650 6700 6750 6800 6850 6900 6950
Two way travel time (ms)

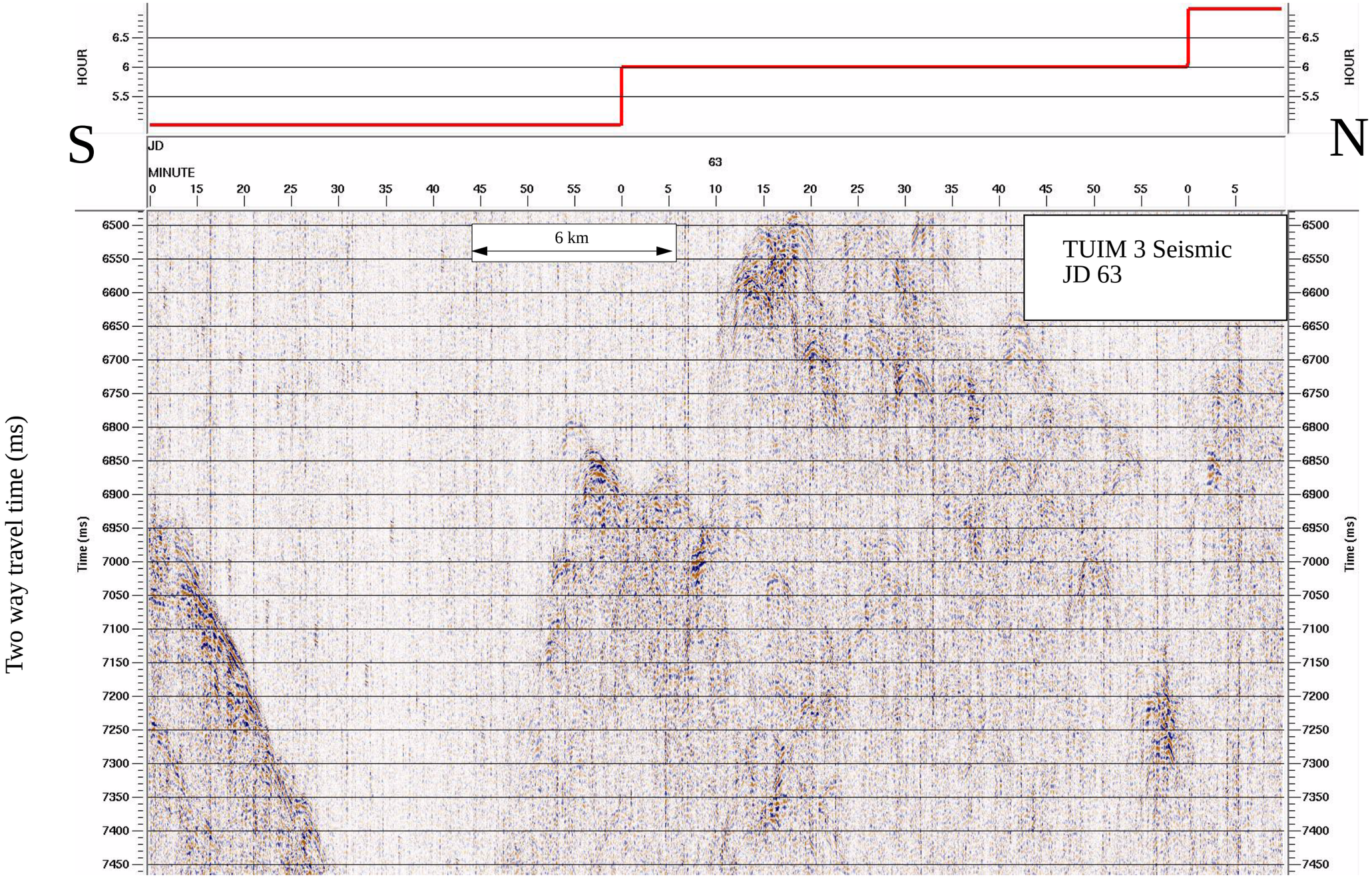

Heading
Julian Day 63
Degrees
500
400
300
200
3:10 AM
5:09 AM
Ship Speed
knots
14
12
10
8
6
-45:2:26.112 S
NaN:NaN:NaN S
12 kHz Depth
meters
4000
4500
5000
5500
-135:5:13.008 W
NaN:NaN:NaN W
Total Magnetic Field
x 10^4
nT
4.75
4.7
4.65
4.6
File=4321
File=5039


HOUR
4.5
4
3.5
S
N
JD
63
MINUTE
0 15 20 25 30 35 40 45 50 55 0 5 10 15 20 25 30 35 40 45 50 55 0 5
6 km
TUIM 3 Seismic
JD 63
Time (ms)
6250 6300 6350 6400 6450 6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200
Two way travel time (ms)

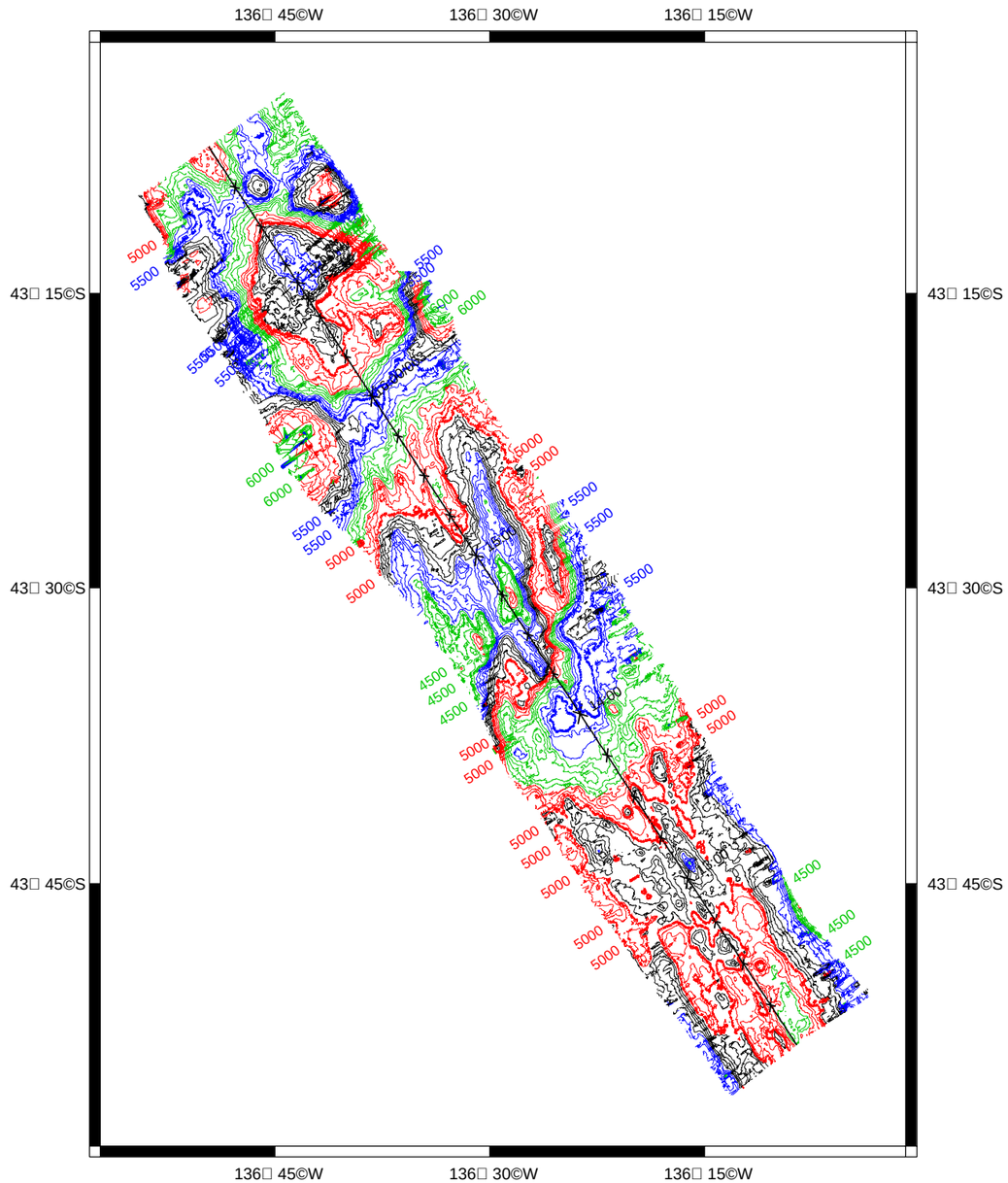
Data File SBfixavg.2005mar04.0600-1200



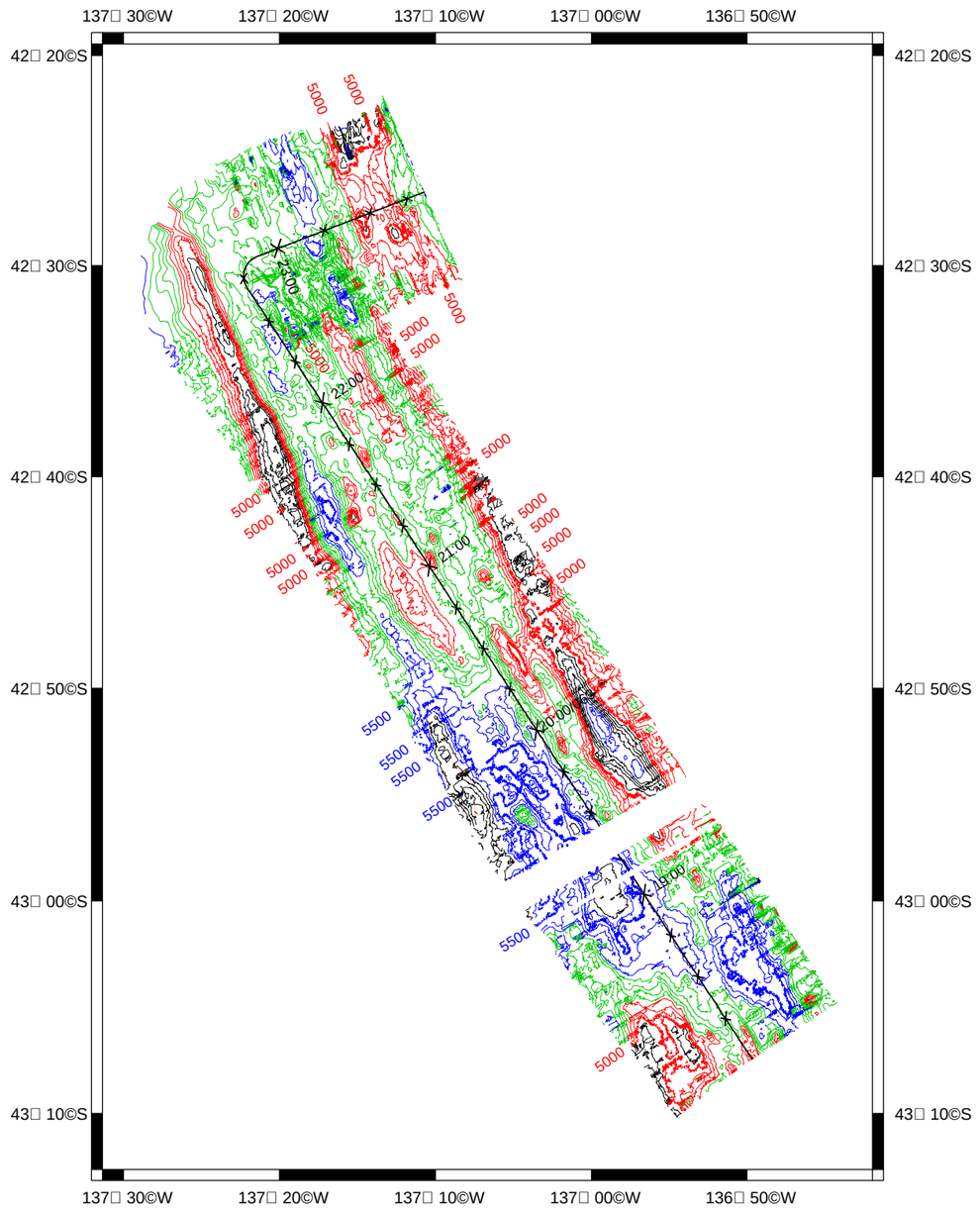

Heading
Julian Day 63
Degrees
500
400
300
200
5:10 AM
7:09 AM
Ship Speed
knots
14
12
10
8
6
-44:46:24.6 S
-44:30:33.78 S
12 kHz Depth
meters
4500
5000
5500
6000
-135:19:58.992 W
-135:34:30.102 W
x 10^4
Total Magnetic Field
nT
4.75
4.7
4.65
4.6
File=5041
File=5760

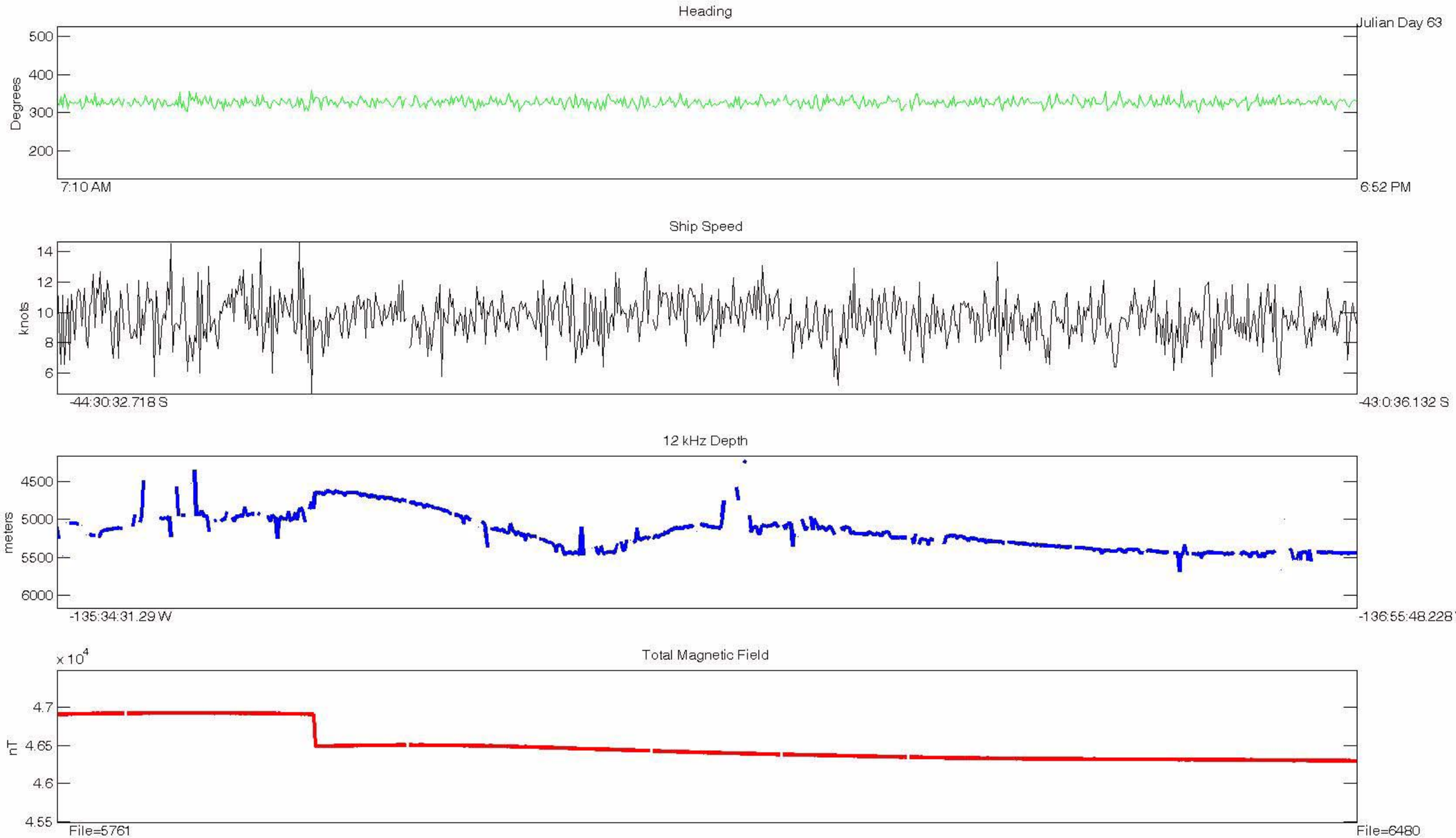

HOUR
6.5
6
5.5
S
N
JD
63
MINUTE
0 15 20 25 30 35 40 45 50 55 0 5 10 15 20 25 30 35 40 45 50 55 0 5
6 km
TUIM 3 Seismic
JD 63
Two way travel time (ms)
Time (ms)
6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300 7350 7400 7450

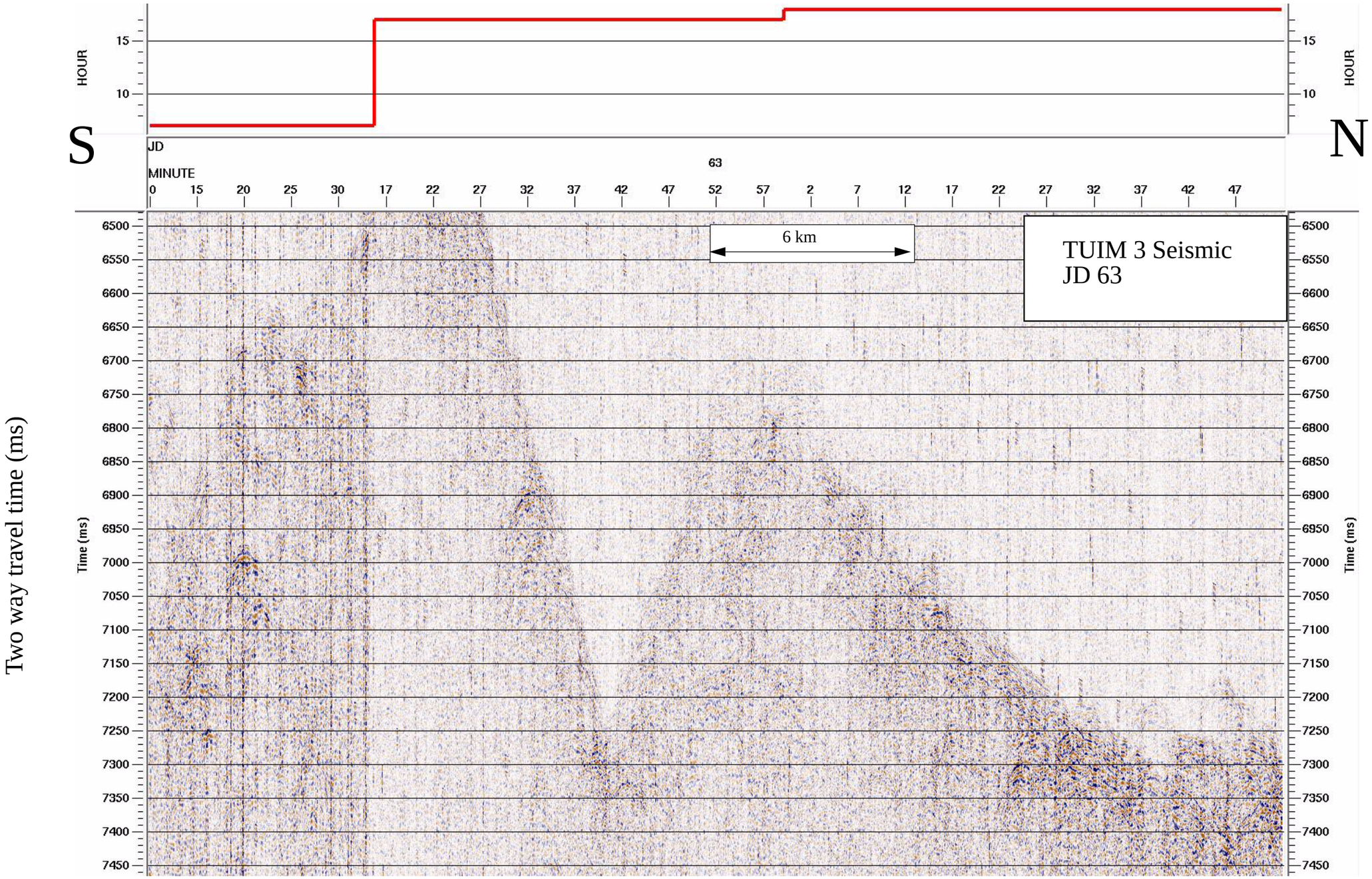
Data File SBfixavg.2005mar04.1200-1800

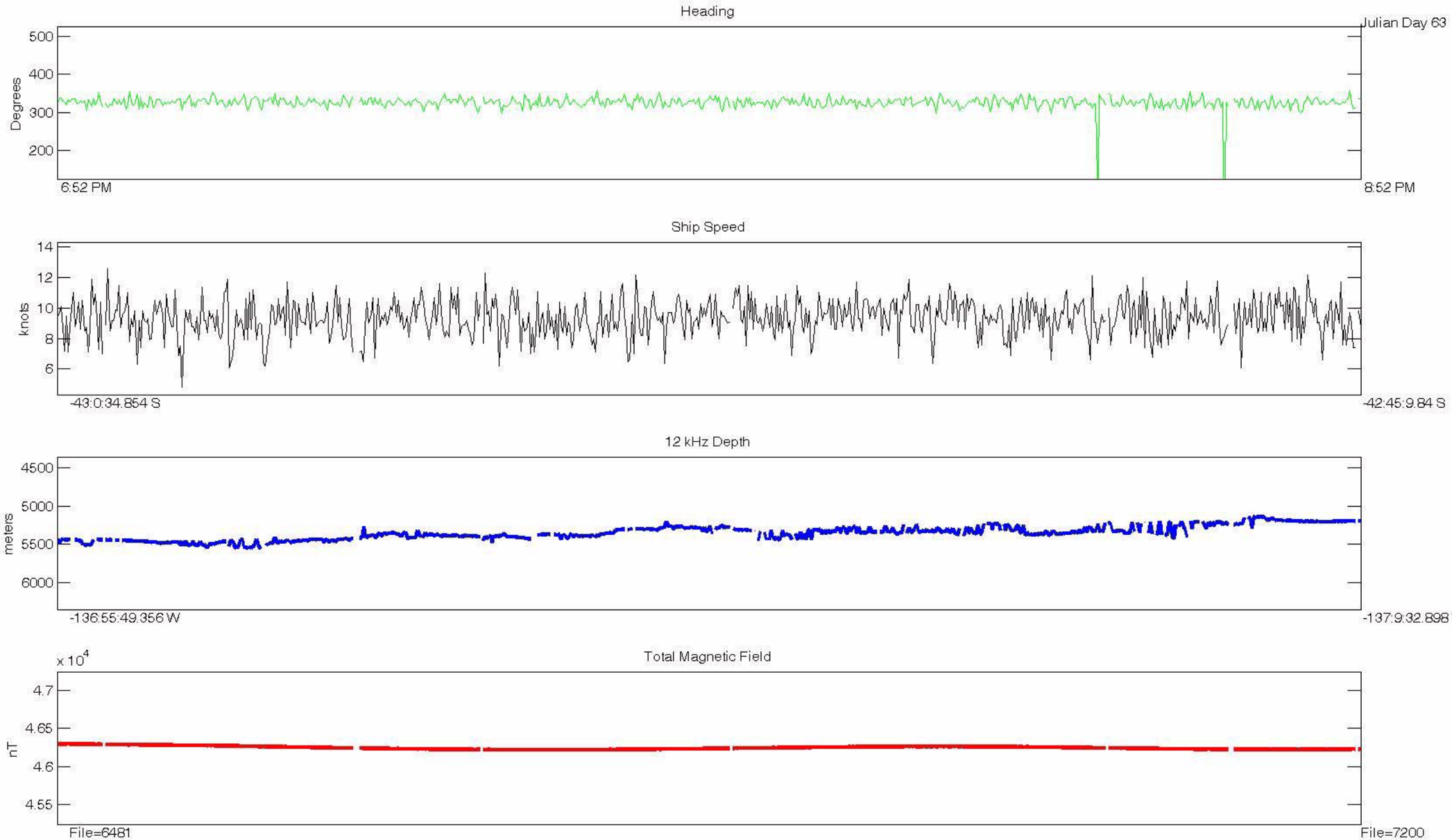


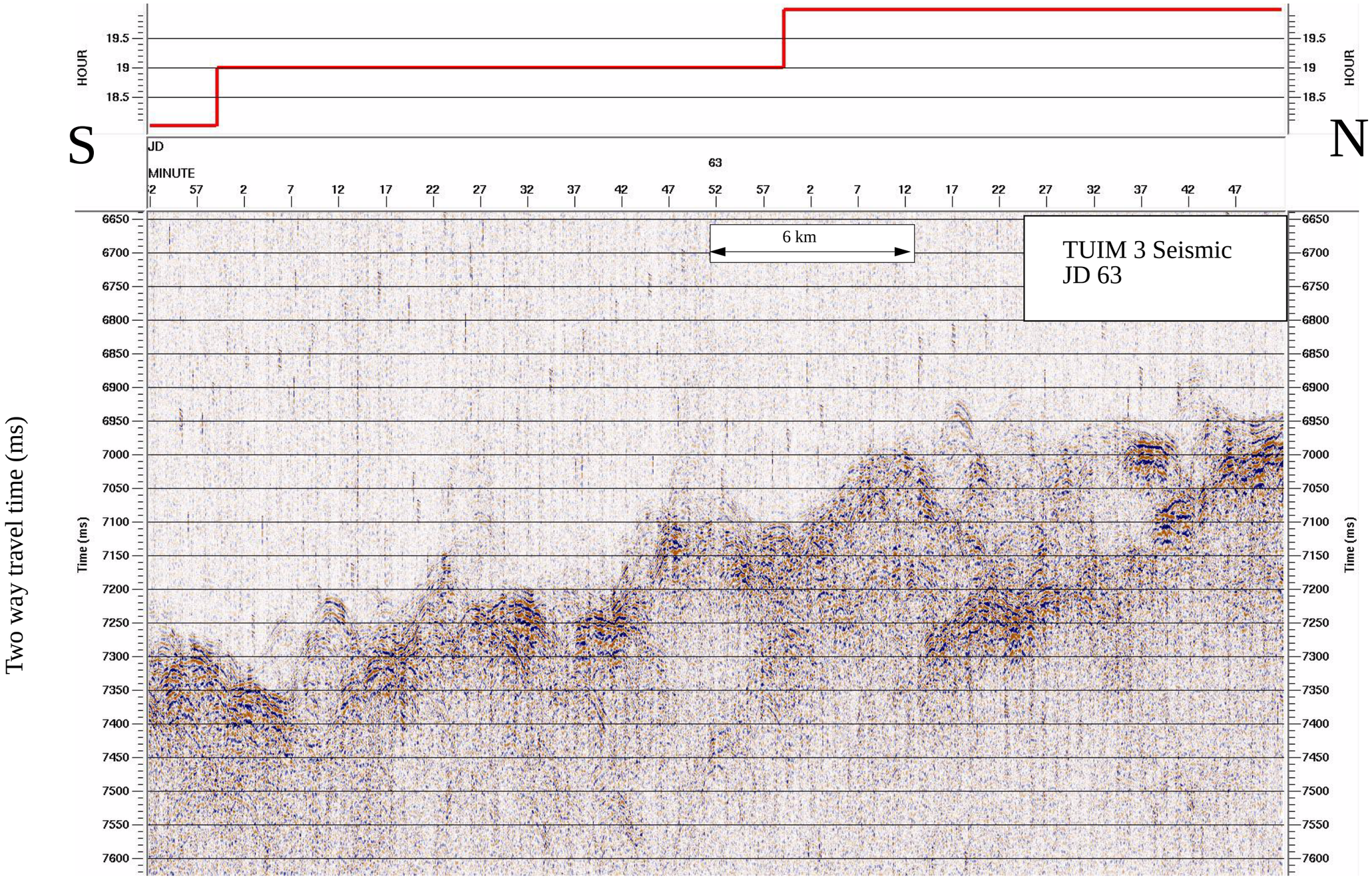
Data File SBfixavg.2005mar04.1800-2400

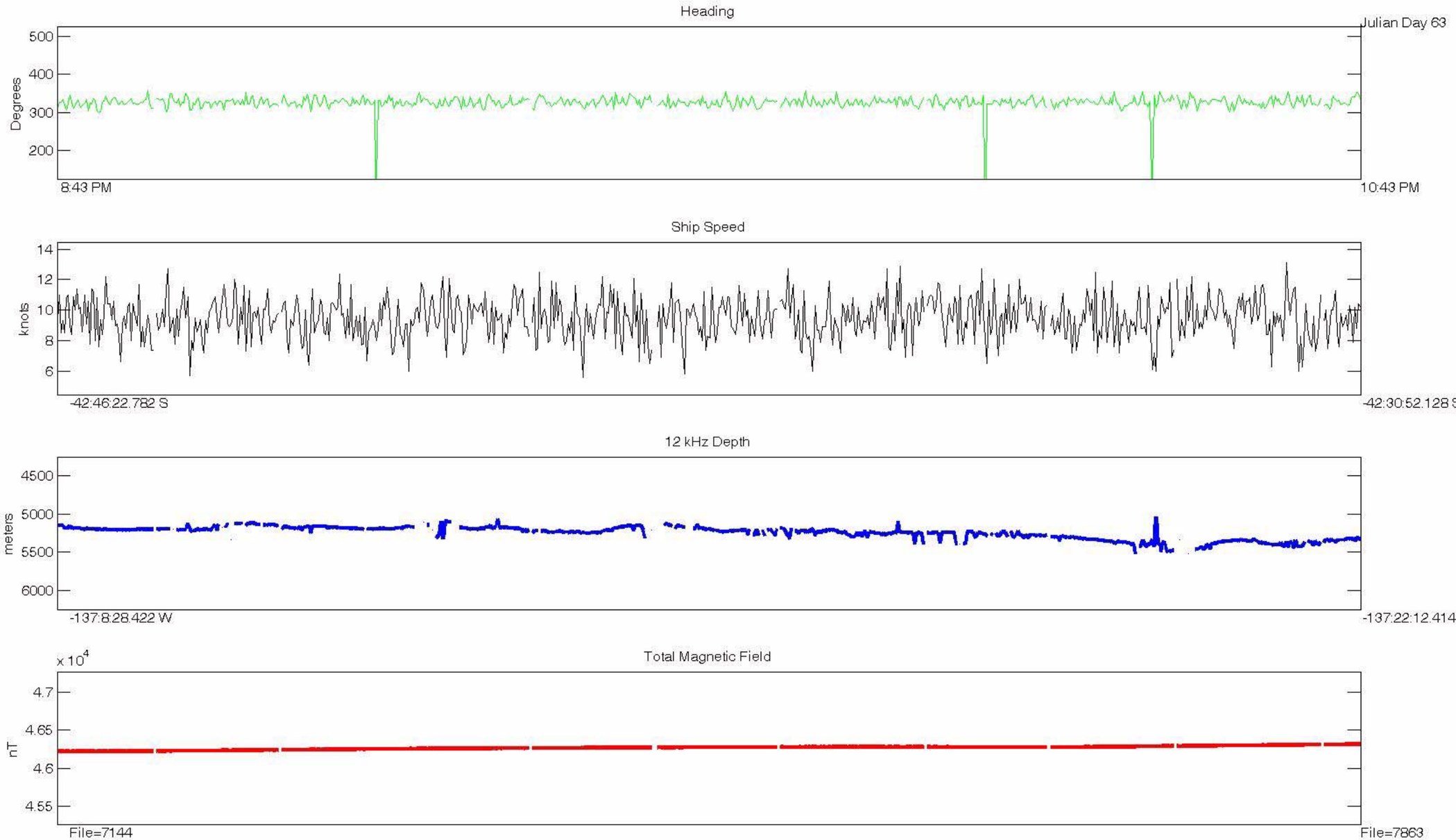


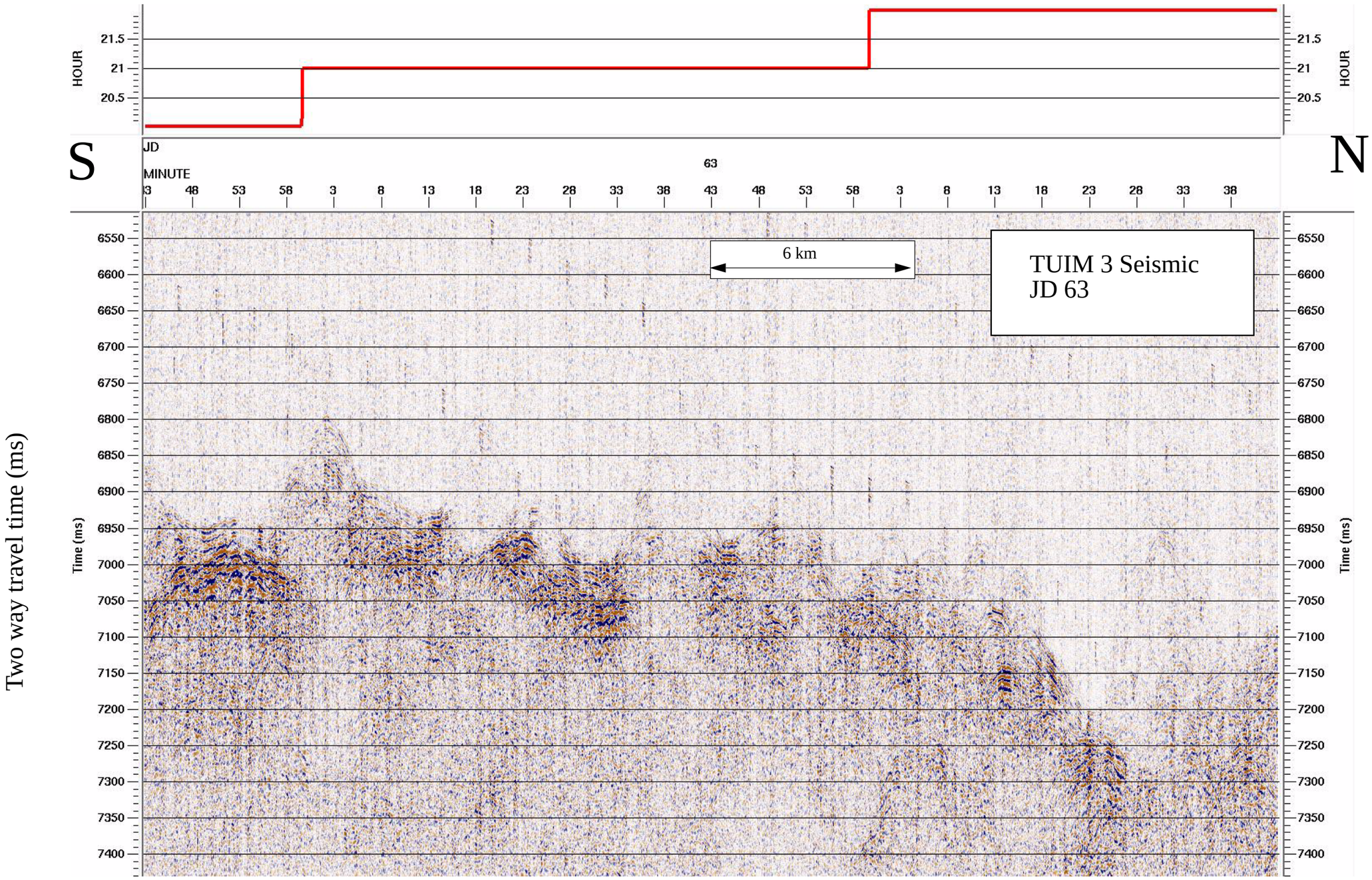

Heading
Julian Day 63
Degrees
500
400
300
200
7:10 AM
6:52 PM
Ship Speed
knots
14
12
10
8
6
-44:30:32.718 S
-43:0:36.132 S
12 kHz Depth
meters
4500
5000
5500
6000
-135:34:31.29 W
-136:55:48.228 W
Total Magnetic Field
x 10^4
nT
4.7
4.65
4.6
4.55
File=5761
File=6480


HOUR
15
10
S
N
JD
63
MINUTE
0 15 20 25 30 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47
6 km
TUIM 3 Seismic
JD 63
Time (ms)
6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300 7350 7400 7450
Two way travel time (ms)


Heading
Julian Day 63
500
400
300
200
Degrees
6:52 PM
8:52 PM
Ship Speed
14
12
10
8
6
knots
-43:0:34.854 S
-42:45:9.84 S
12 kHz Depth
4500
5000
5500
6000
meters
-136:55:49.356 W
-137:9:32.898 W
x 10^4
Total Magnetic Field
4.7
4.65
4.6
4.55
nT
File=6481
File=7200

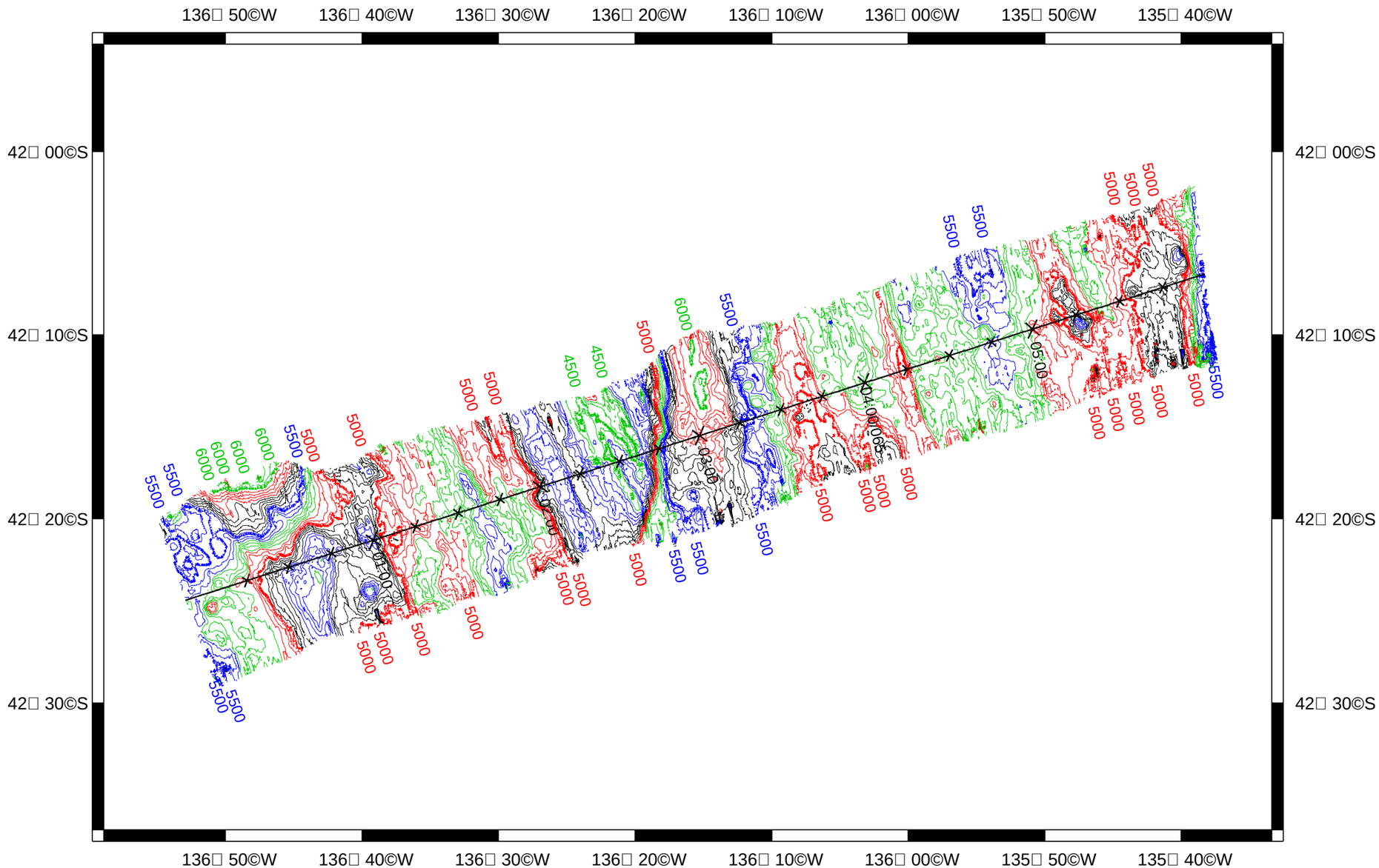

HOUR
19.5
19
18.5
S
N
JD
63
MINUTE
2 57 2 7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47
6 km
TUIM 3 Seismic
JD 63
Time (ms)
6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300 7350 7400 7450 7500 7550 7600
Two way travel time (ms)

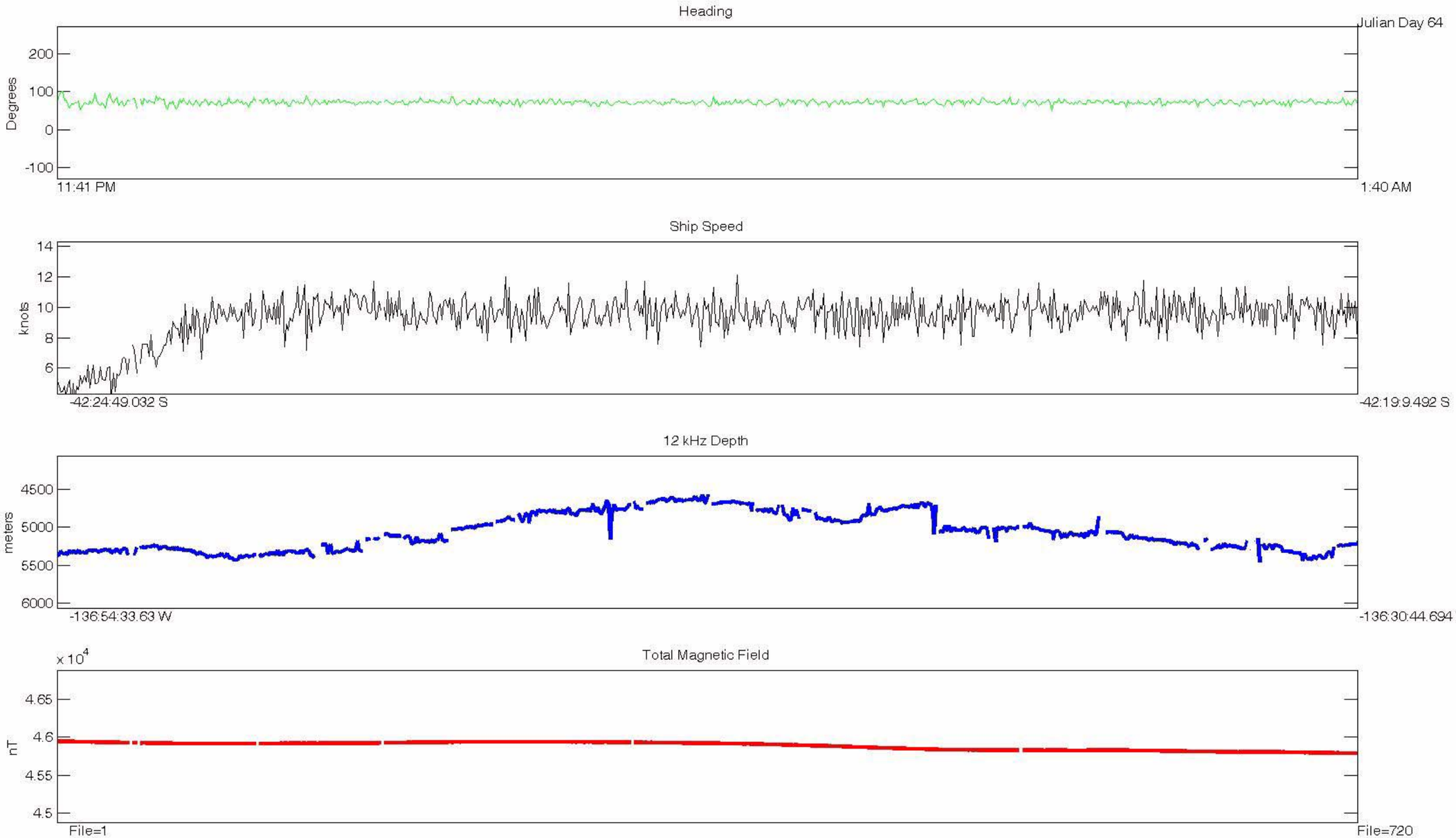

Heading
Julian Day 63
500
400
300
200
Degrees
8:43 PM
10:43 PM
Ship Speed
14
12
10
8
6
knots
-42:46:22.782 S
-42:30:52.128 S
12 kHz Depth
4500
5000
5500
6000
meters
-137:8:28.422 W
-137:22:12.414 W
x 10^4
Total Magnetic Field
4.7
4.65
4.6
4.55
nT
File=7144
File=7863

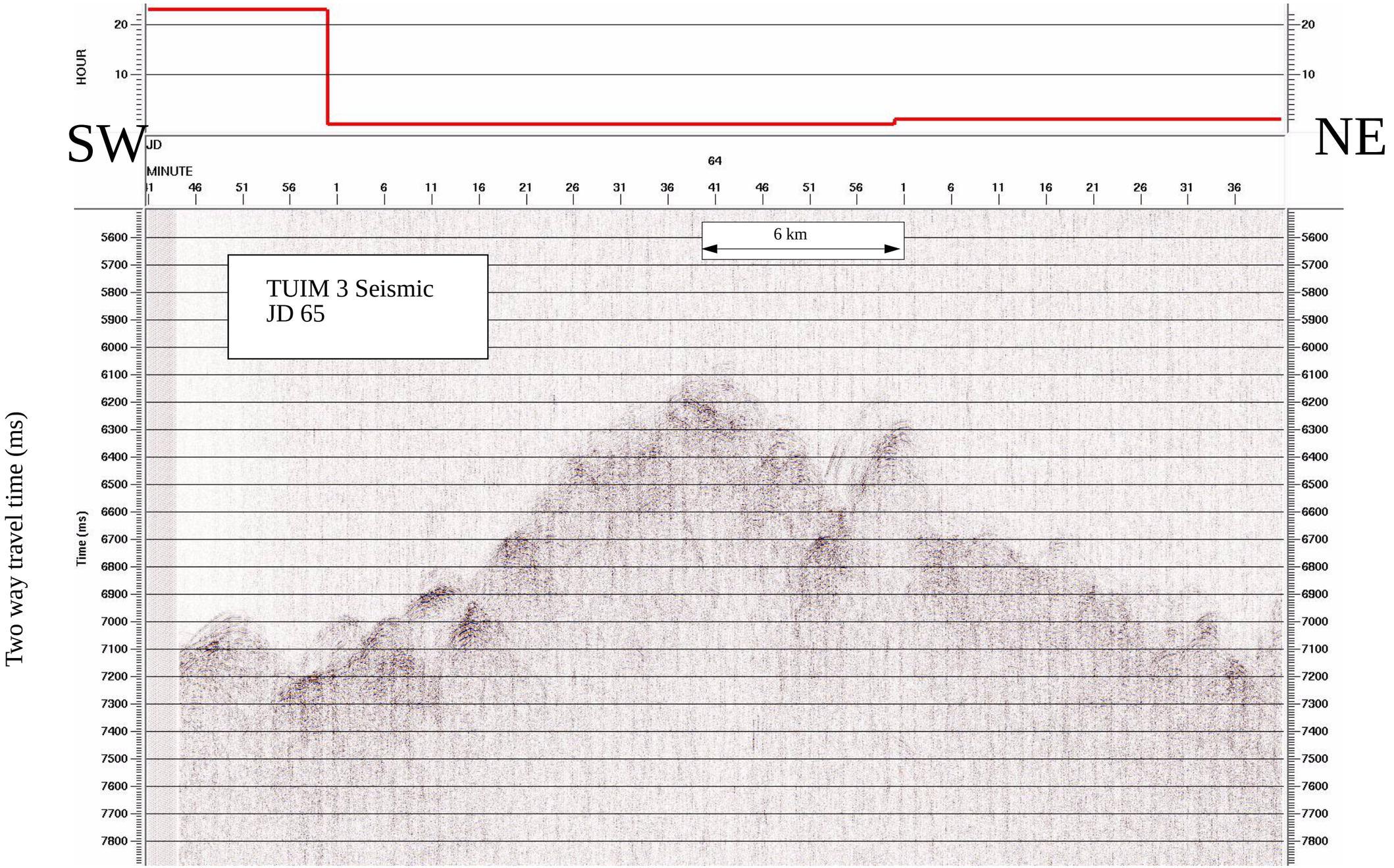

HOUR
21.5
21
20.5
S
N
JD
63
MINUTE
43 48 53 58 3 8 13 18 23 28 33 38 43 48 53 58 3 8 13 18 23 28 33 38
6 km
TUIM 3 Seismic
JD 63
Time (ms)
6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300 7350 7400
Two way travel time (ms)

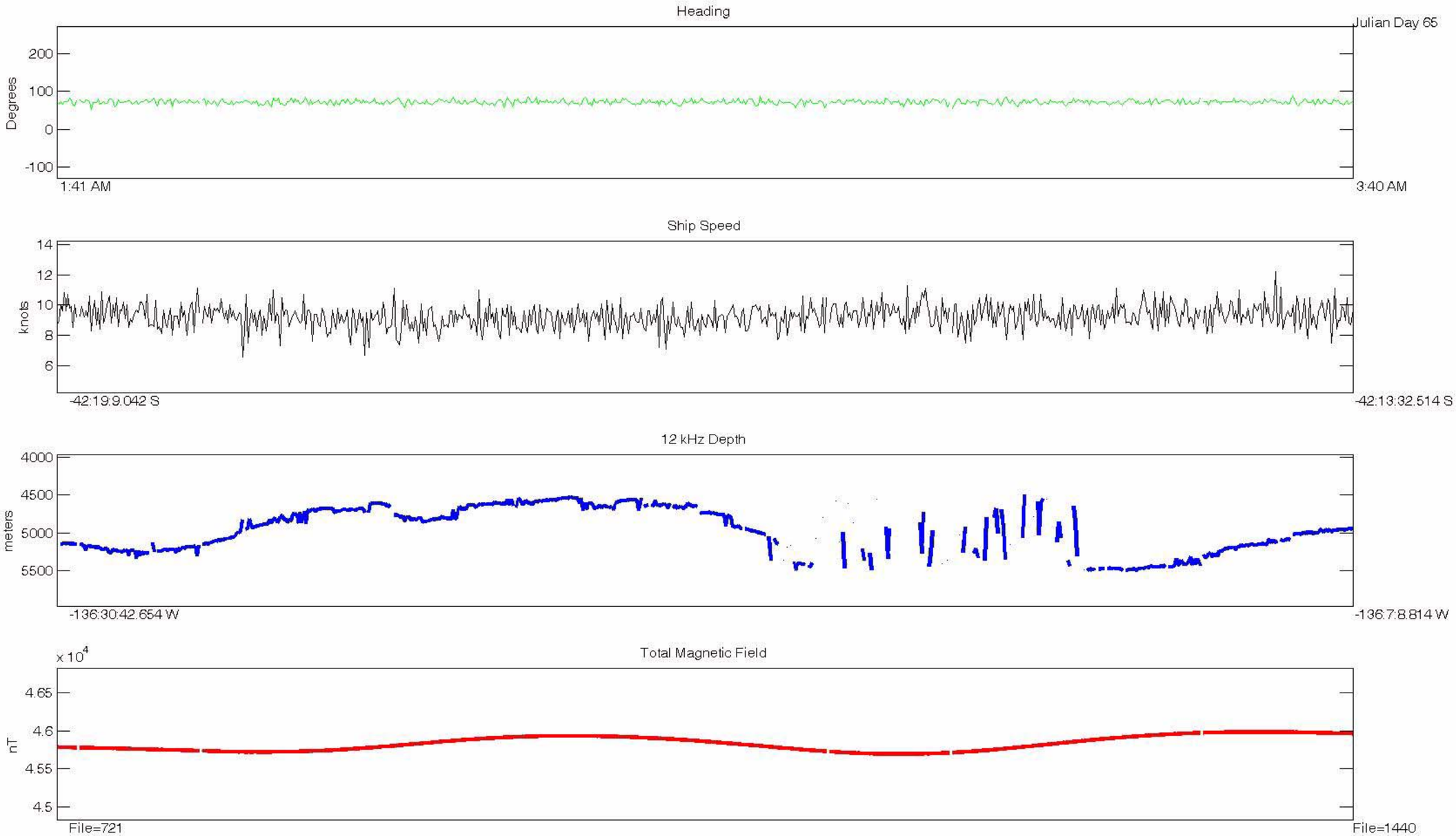
Julian Day 65
6 March 2005
150 c.i GI gun Source,
4-channel SIO streamer

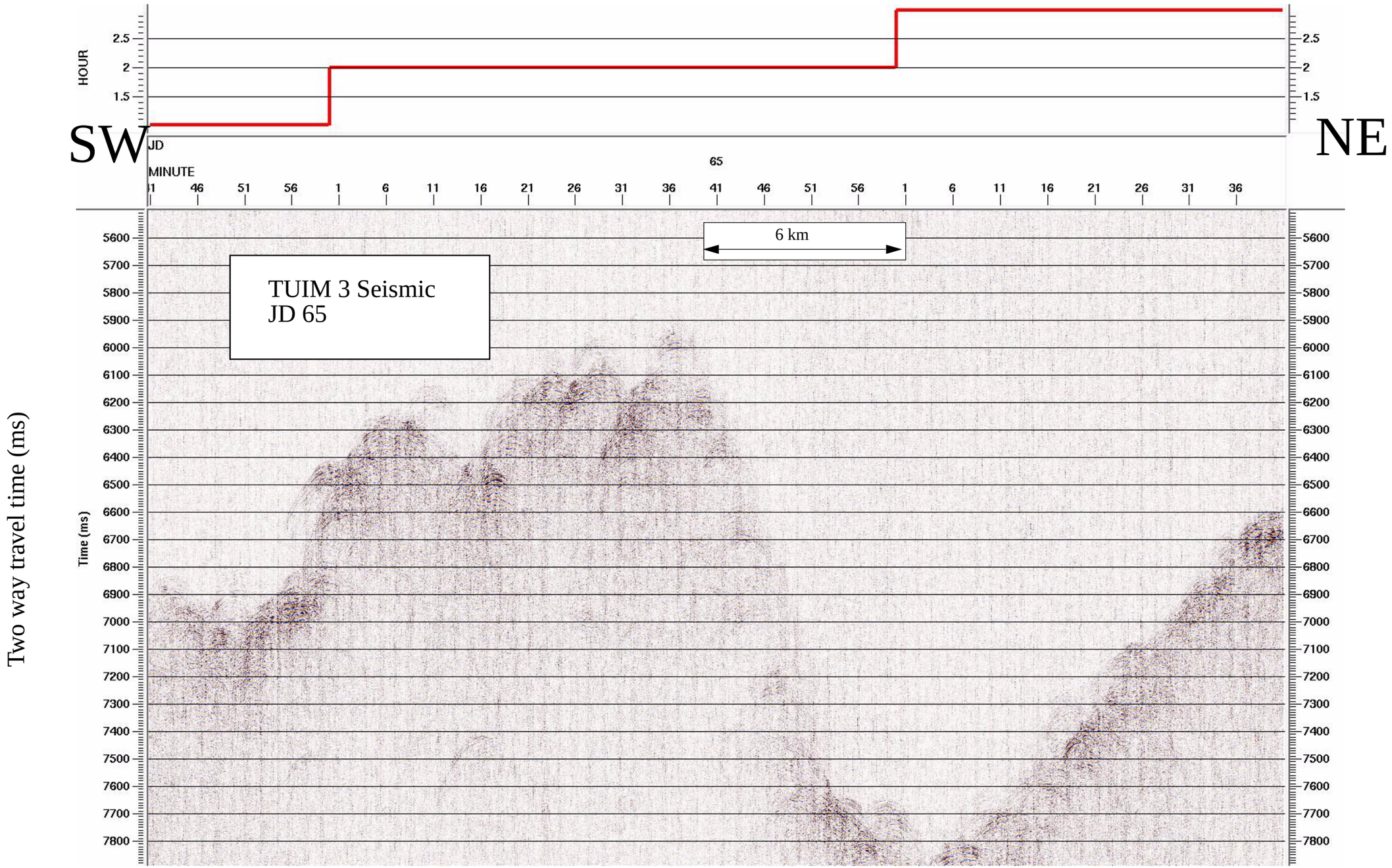
Data File SBfixavg.2005mar06.0000-0600

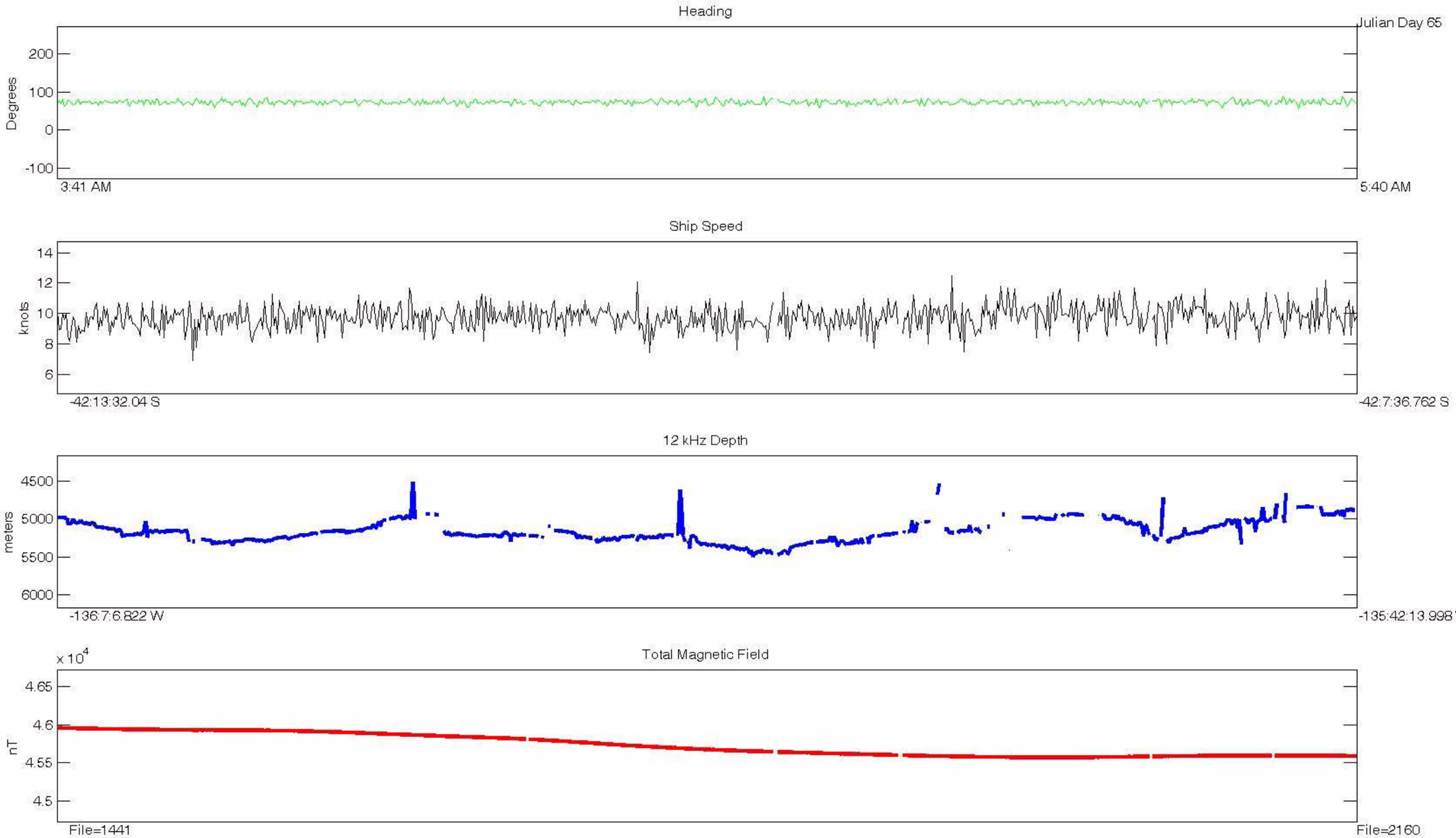


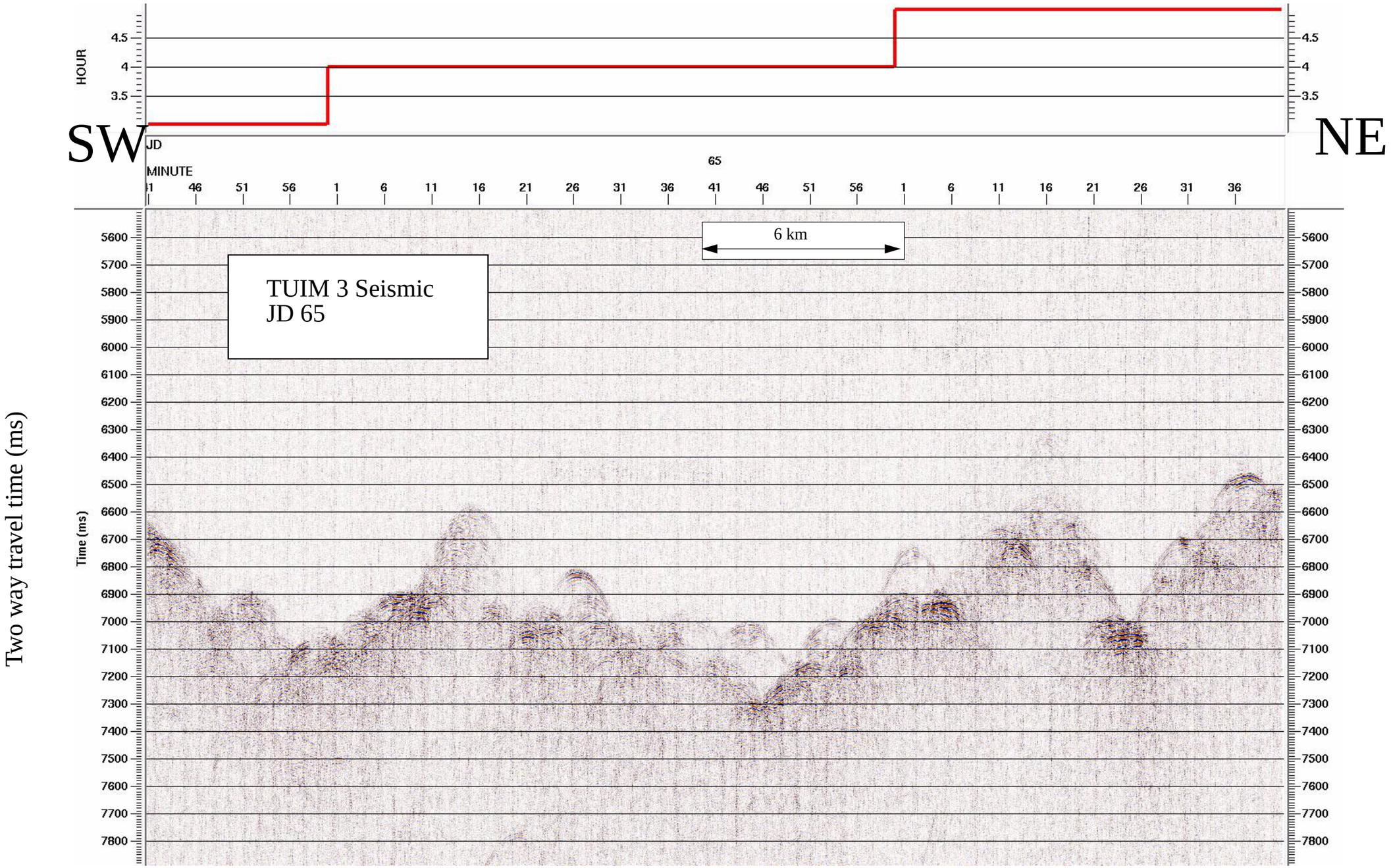

Heading
Julian Day 64
Degrees
200
100
0
-100
11:41 PM
1:40 AM
Ship Speed
knots
14
12
10
8
6
-42:24:49.032 S
-42:19:9.492 S
12 kHz Depth
meters
4500
5000
5500
6000
-136:54:33.63 W
-136:30:44.694 W
Total Magnetic Field
x 10^4
nT
4.65
4.6
4.55
4.5
File=1
File=720

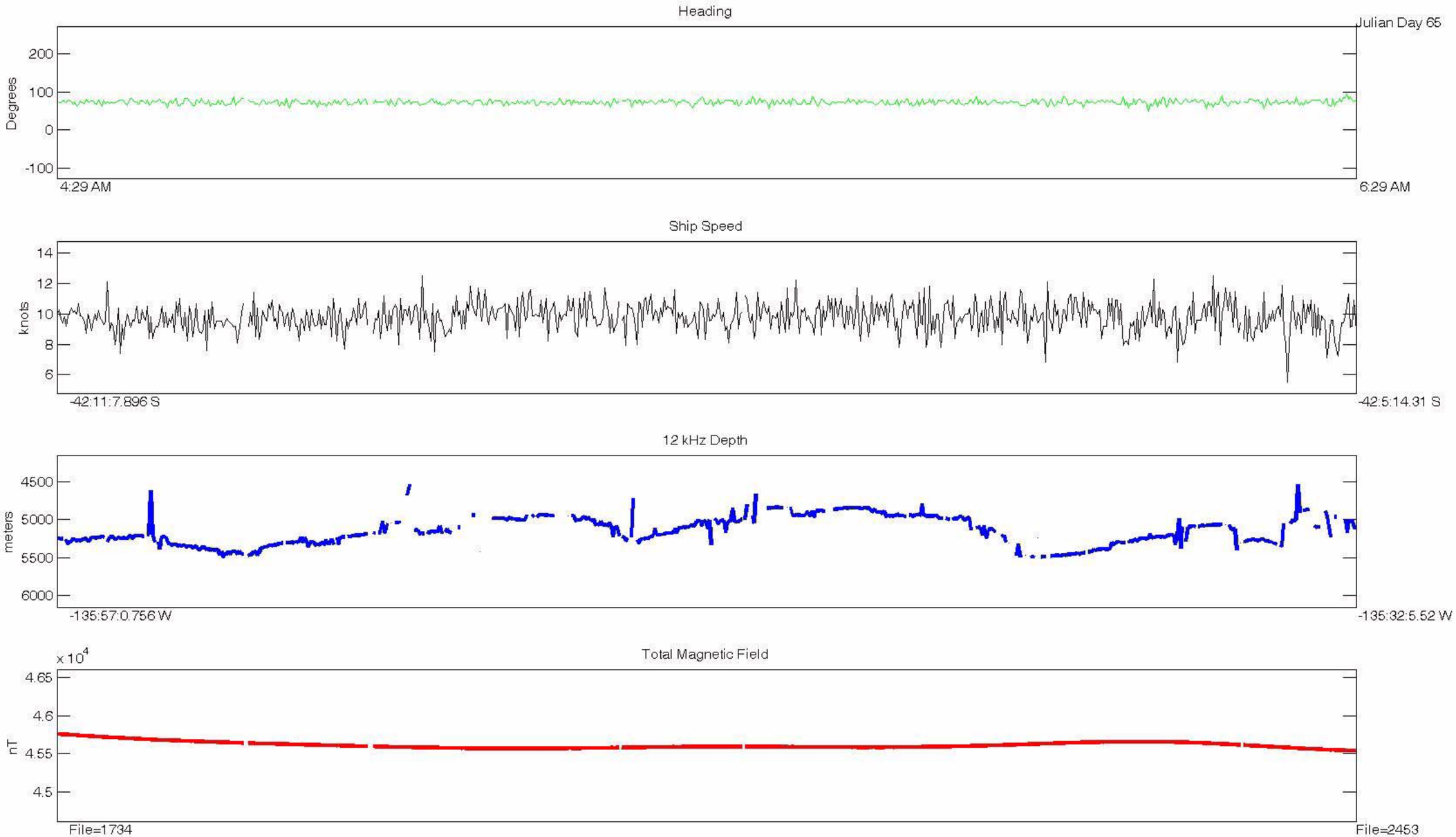

SW
NE
HOUR
JD
64
MINUTE
6 km
TUIM 3 Seismic
JD 65
Time (ms)
Two way travel time (ms)

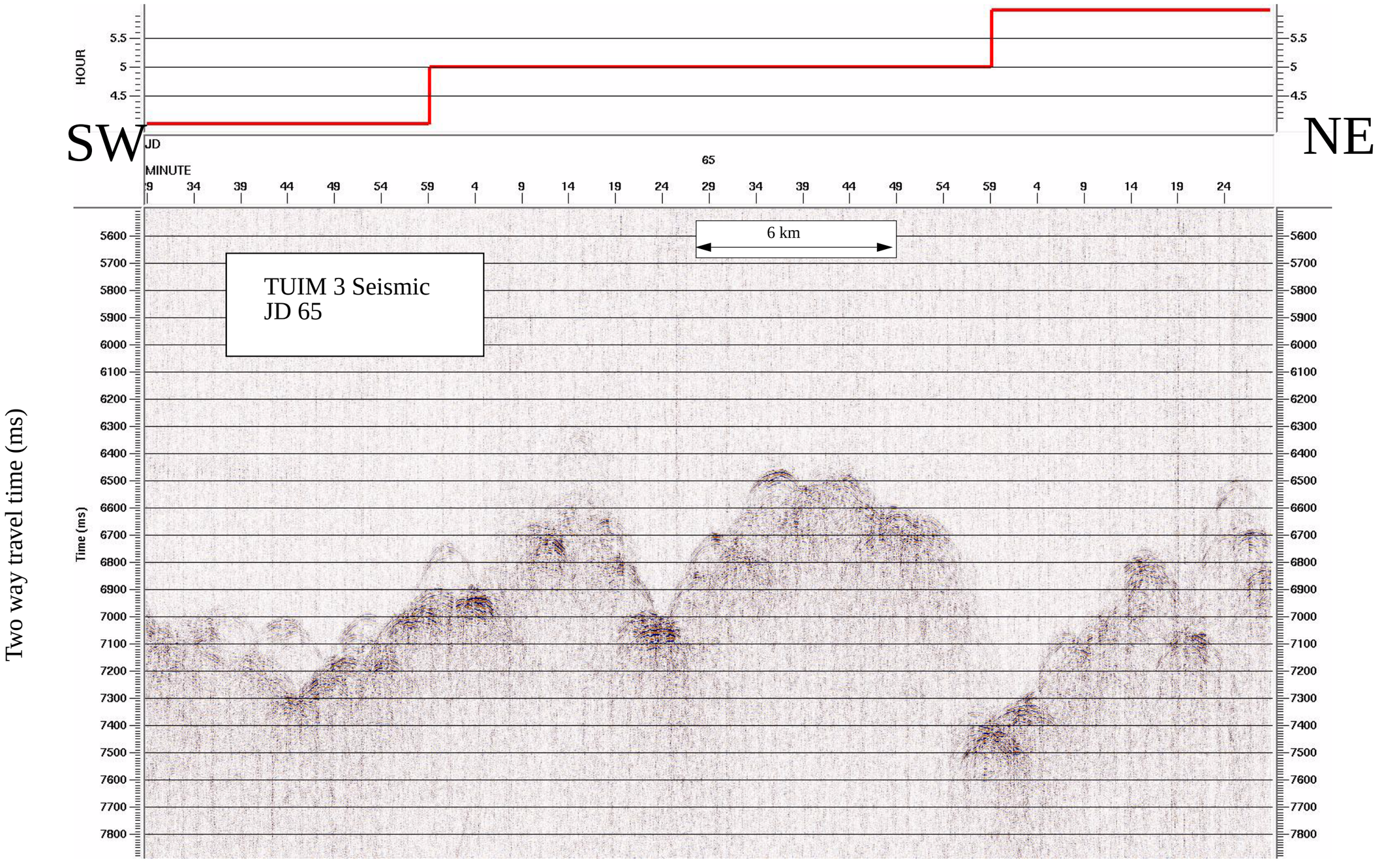

Heading
Julian Day 65
Degrees
200
100
0
-100
1:41 AM
3:40 AM
Ship Speed
knots
14
12
10
8
6
-42:19:9.042 S
-42:13:32.514 S
12 kHz Depth
meters
4000
4500
5000
5500
-136:30:42.654 W
-136:7:8.814 W
Total Magnetic Field
x 10^4
nT
4.65
4.6
4.55
4.5
File=721
File=1440


HOUR
2.5
2
1.5
SW
NE
JD
65
MINUTE
1 46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6 11 16 21 26 31 36
6 km
TUIM 3 Seismic
JD 65
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800
Two way travel time (ms)


Heading
Julian Day 65
Degrees
200
100
0
-100
3:41 AM
5:40 AM
Ship Speed
knots
14
12
10
8
6
-42:13:32.04 S
-42:7:36.762 S
12 kHz Depth
meters
4500
5000
5500
6000
-136:7:6.822 W
-135:42:13.998 W
Total Magnetic Field
x 10^4
nT
4.65
4.6
4.55
4.5
File=1441
File=2160

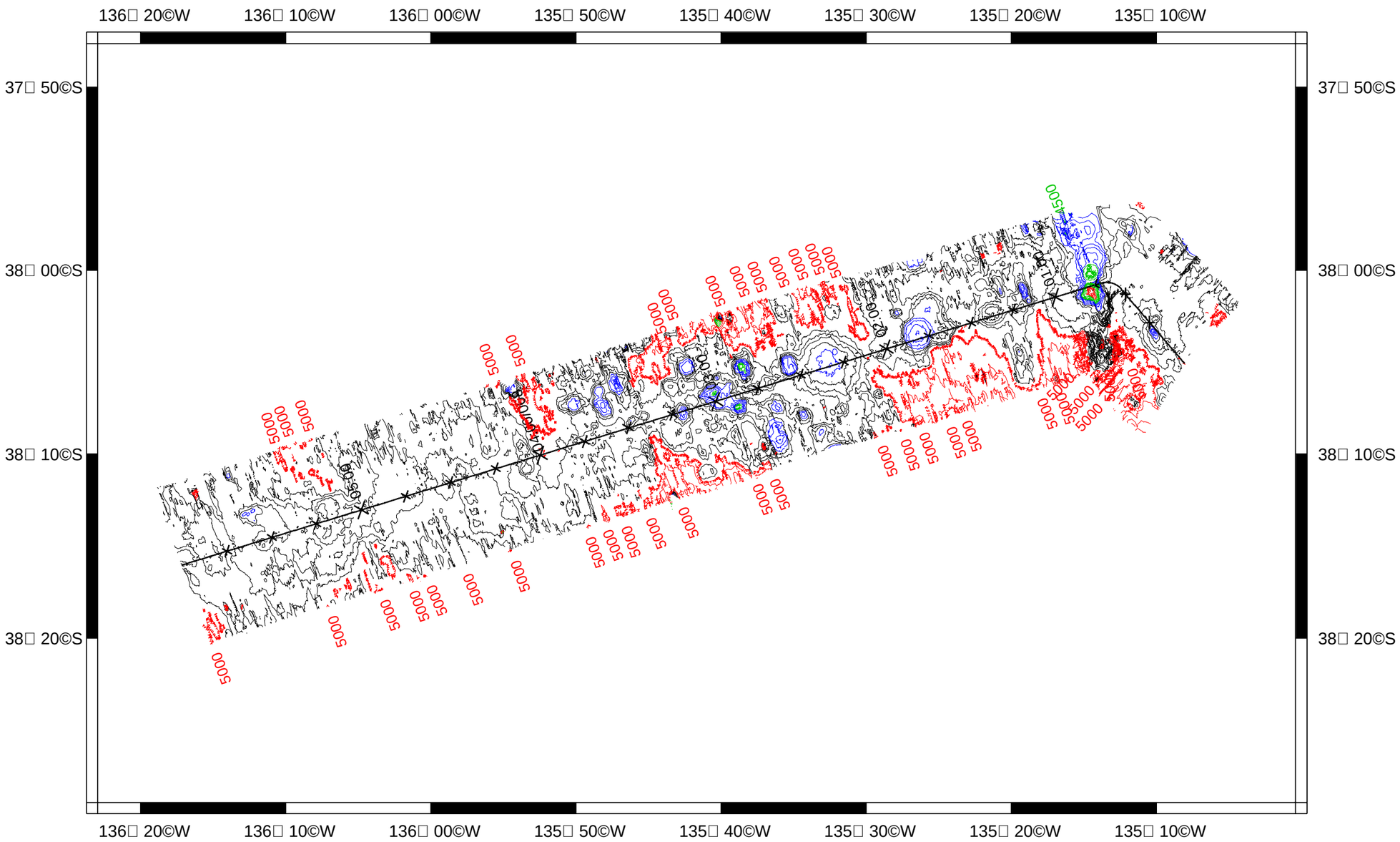

HOUR
4.5
4
3.5
SW
NE
JD
65
MINUTE
41 46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6 11 16 21 26 31 36
6 km
TUIM 3 Seismic
JD 65
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800
Two way travel time (ms)

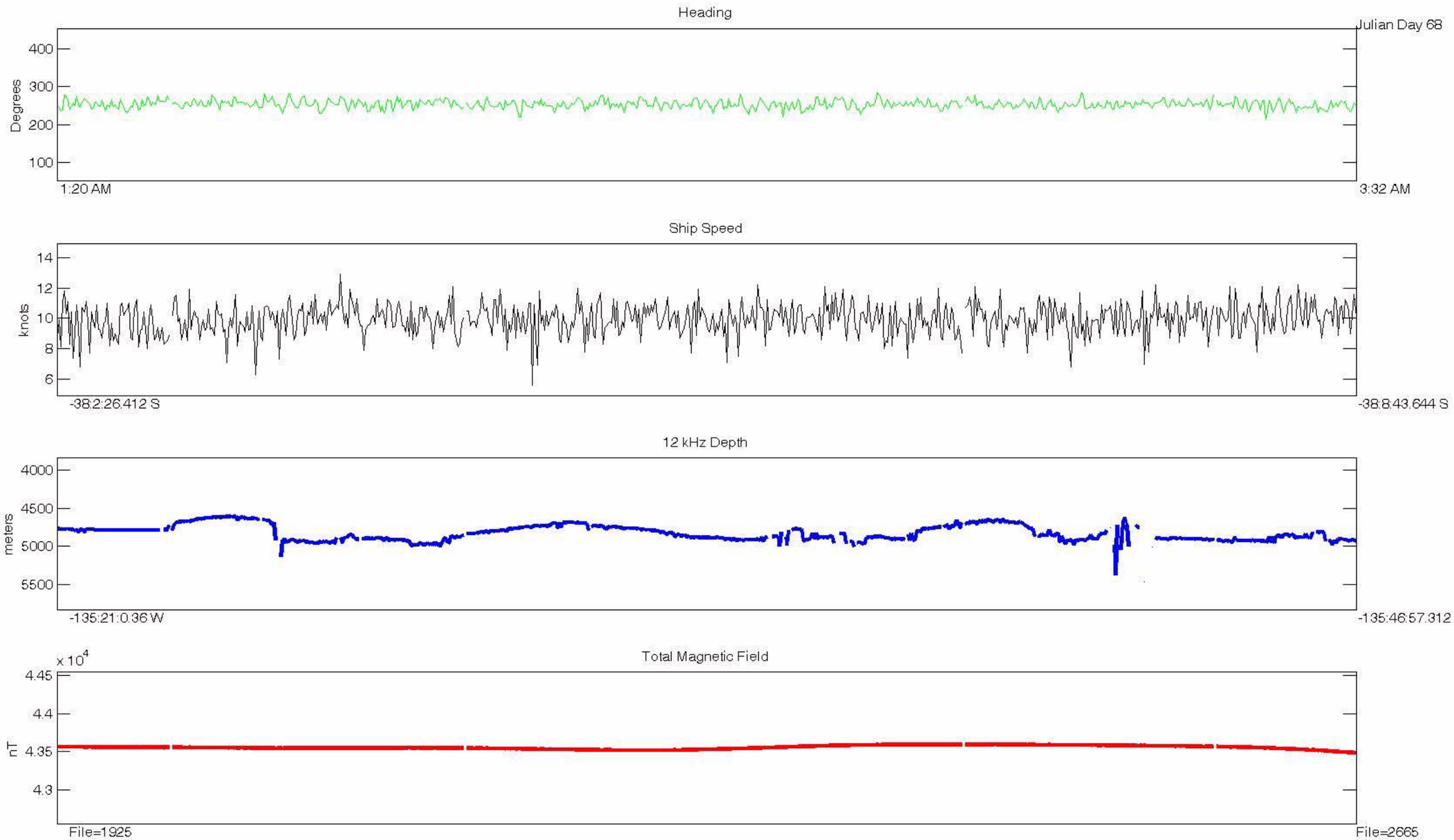

Heading
Julian Day 65
Degrees
200
100
0
-100
4:29 AM
6:29 AM
Ship Speed
knots
14
12
10
8
6
-42:11:7.896 S
-42:5:14.31 S
12 kHz Depth
meters
4500
5000
5500
6000
-135:57:0.756 W
-135:32:5.52 W
Total Magnetic Field
x 10^4
nT
4.65
4.6
4.55
4.5
File=1734
File=2453

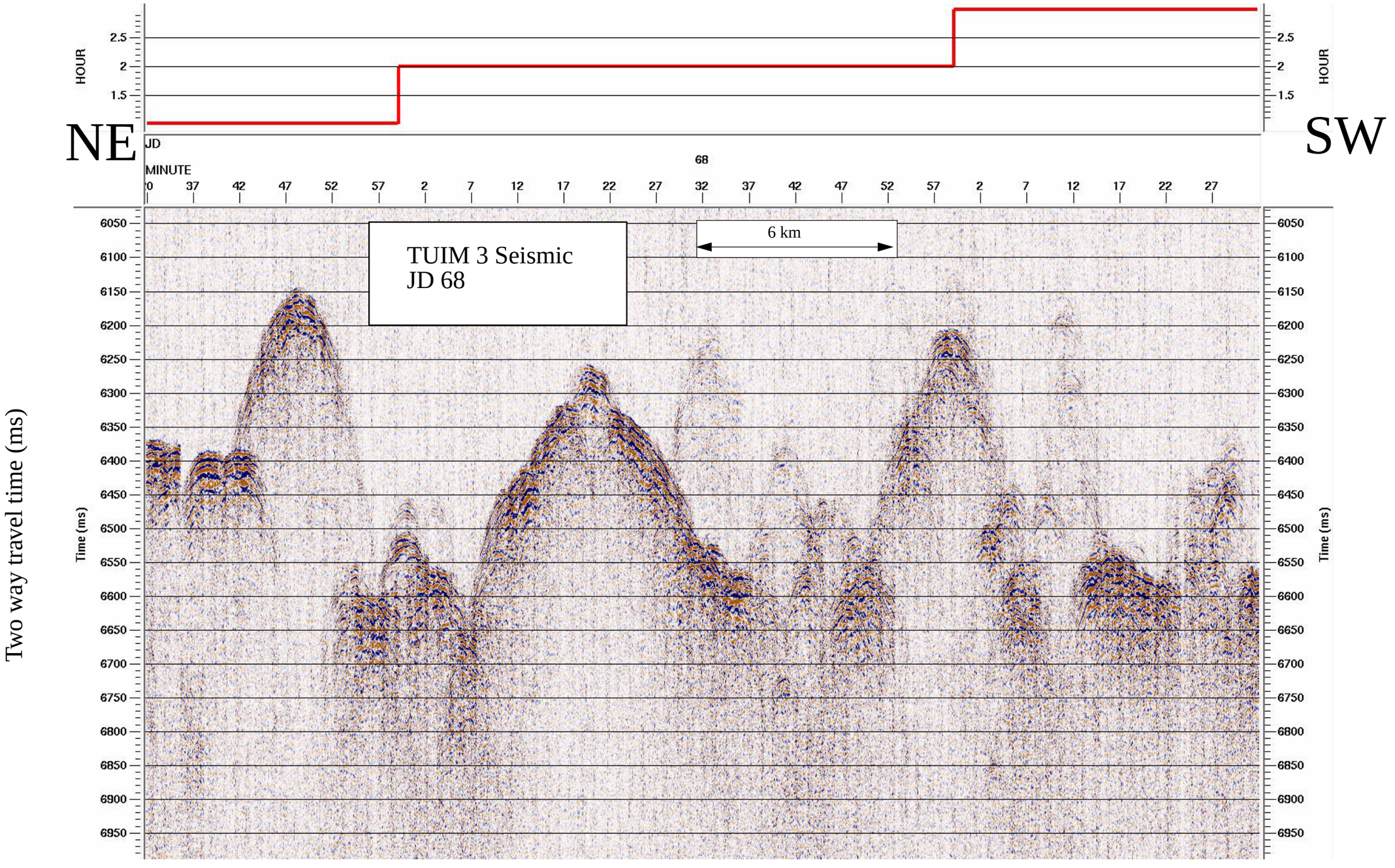

SW
NE
HOUR
5.5
5
4.5
JD
65
MINUTE
9 34 39 44 49 54 59 4 9 14 19 24 29 34 39 44 49 54 59 4 9 14 19 24
6 km
TUIM 3 Seismic
JD 65
Time (ms)
5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800
Two way travel time (ms)

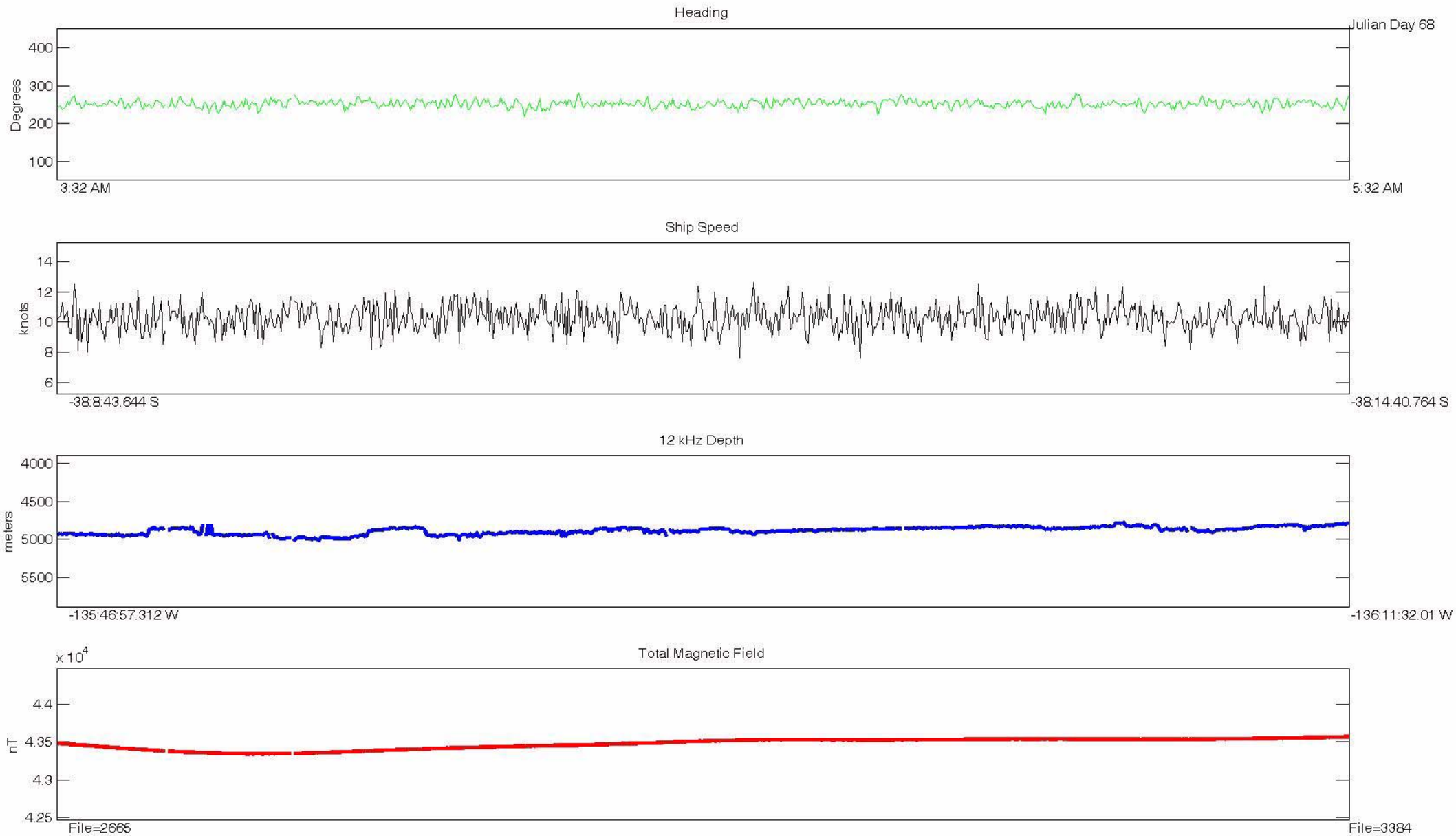
Julian Day 68
9 March 2005
150 c.i GI gun Source,
4-channel SIO streamer

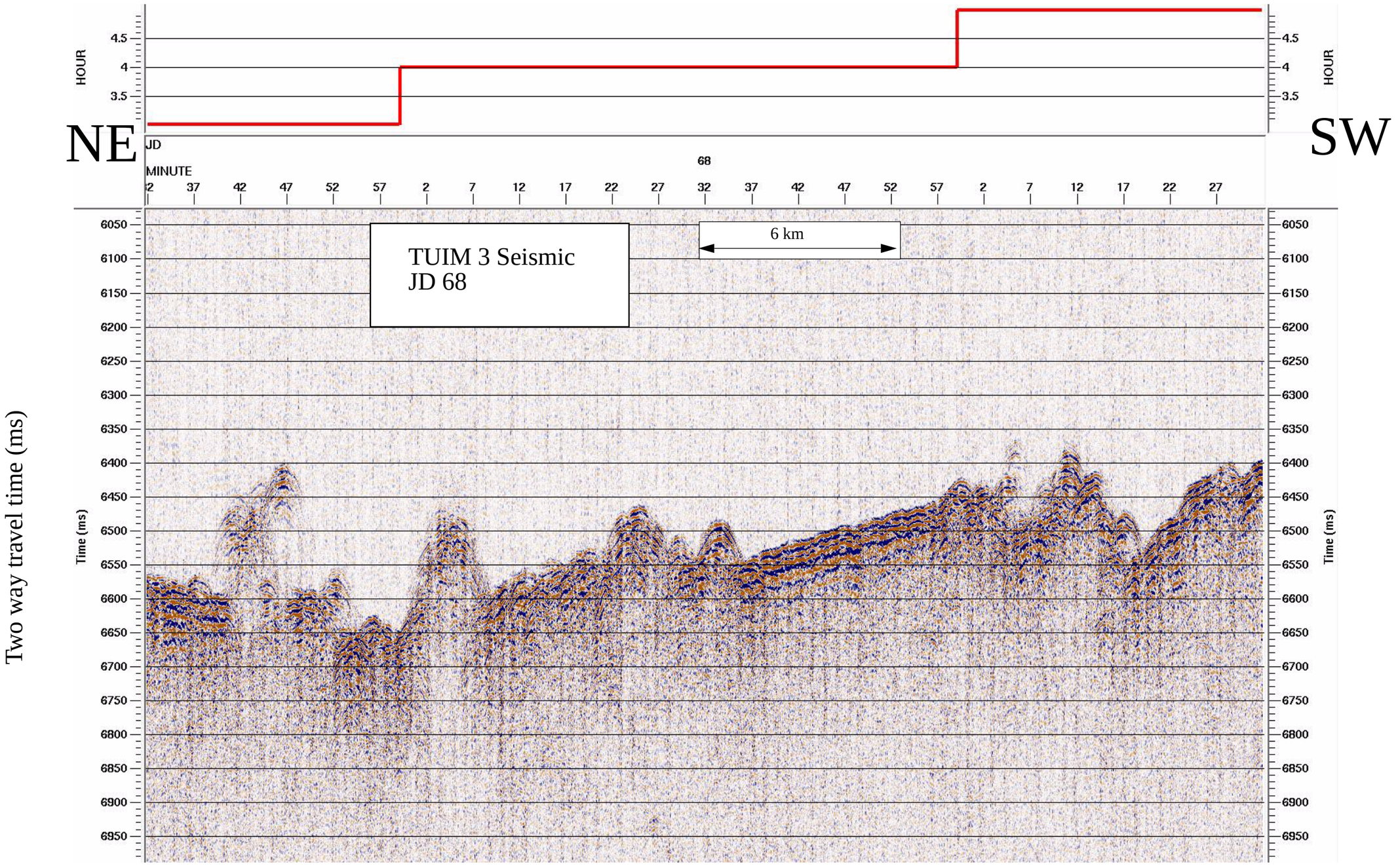
Data File SBfixavg.2005mar09.0000-0600



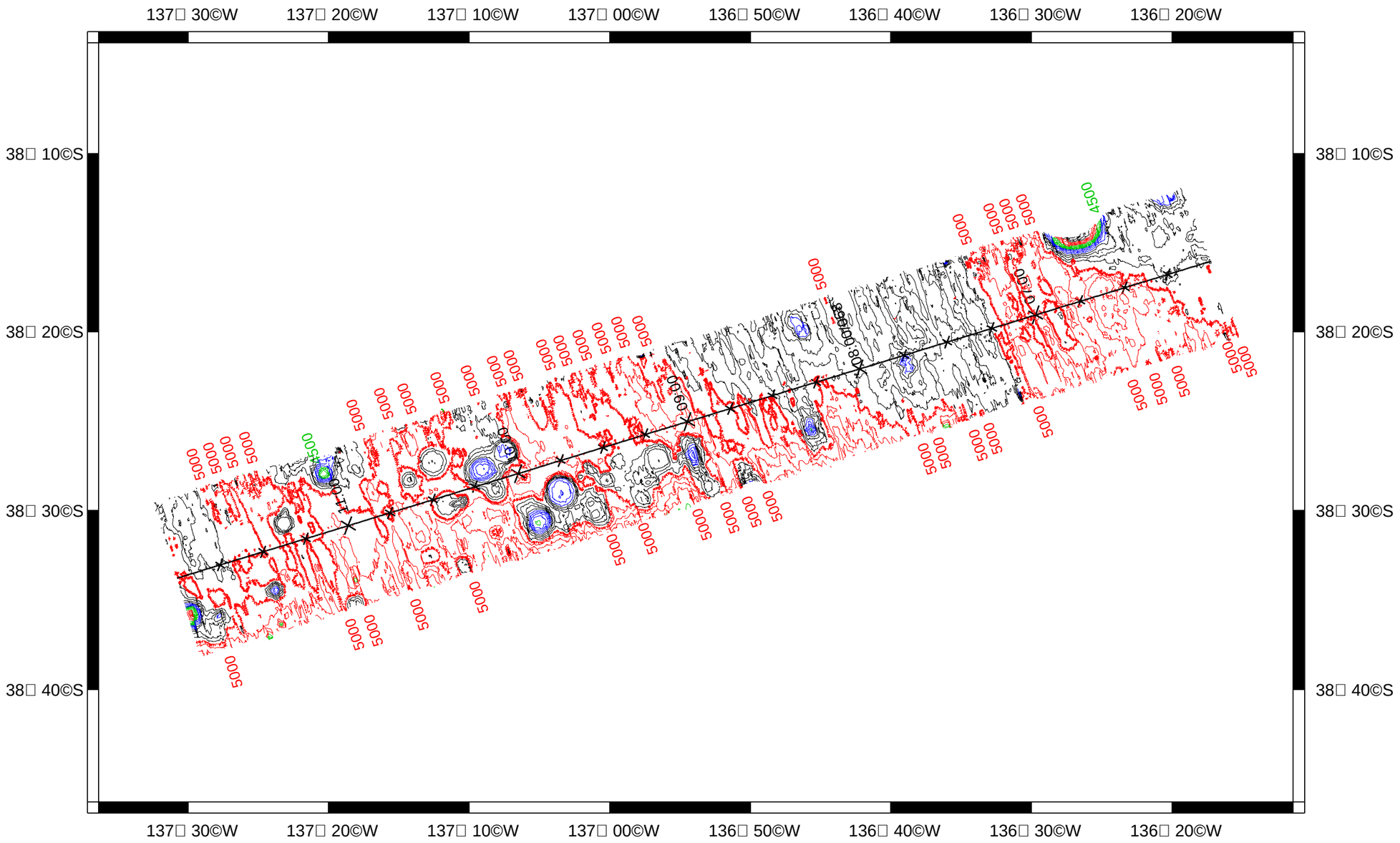

Heading
Julian Day 68
Degrees
400
300
200
100
1:20 AM
3:32 AM
Ship Speed
knots
14
12
10
8
6
-38:2:26.412 S
-38:8:43.644 S
12 kHz Depth
meters
4000
4500
5000
5500
-135:21:0.36 W
-135:46:57.312 W
Total Magnetic Field
x 10^4
nT
4.45
4.4
4.35
4.3
File=1925
File=2665

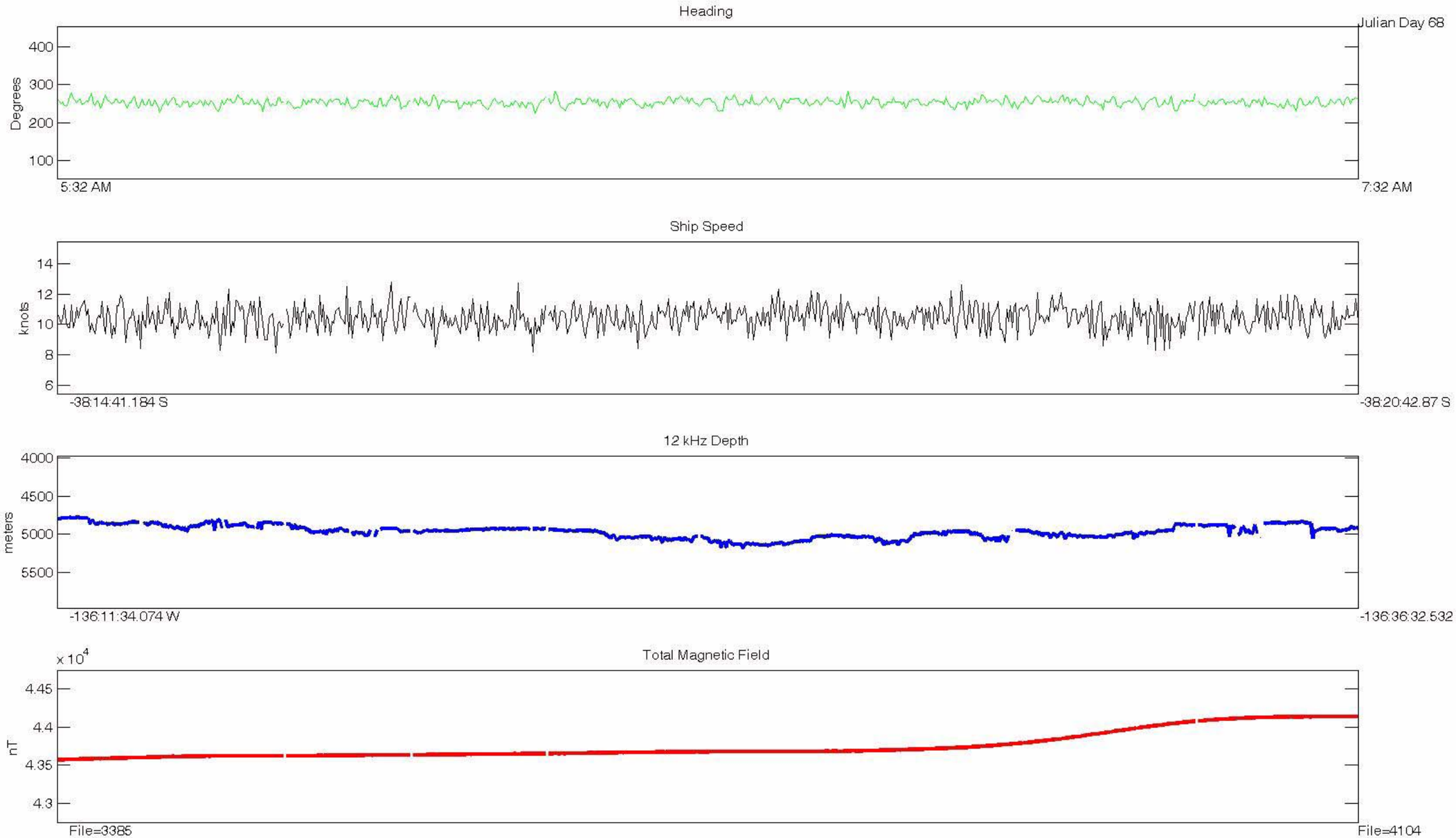

HOUR
2.5
2
1.5
NE
SW
JD
68
MINUTE
0 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27
TUIM 3 Seismic
JD 68
6 km
Time (ms)
6050 6100 6150 6200 6250 6300 6350 6400 6450 6500 6550 6600 6650 6700 6750 6800 6850 6900 6950
Two way travel time (ms)

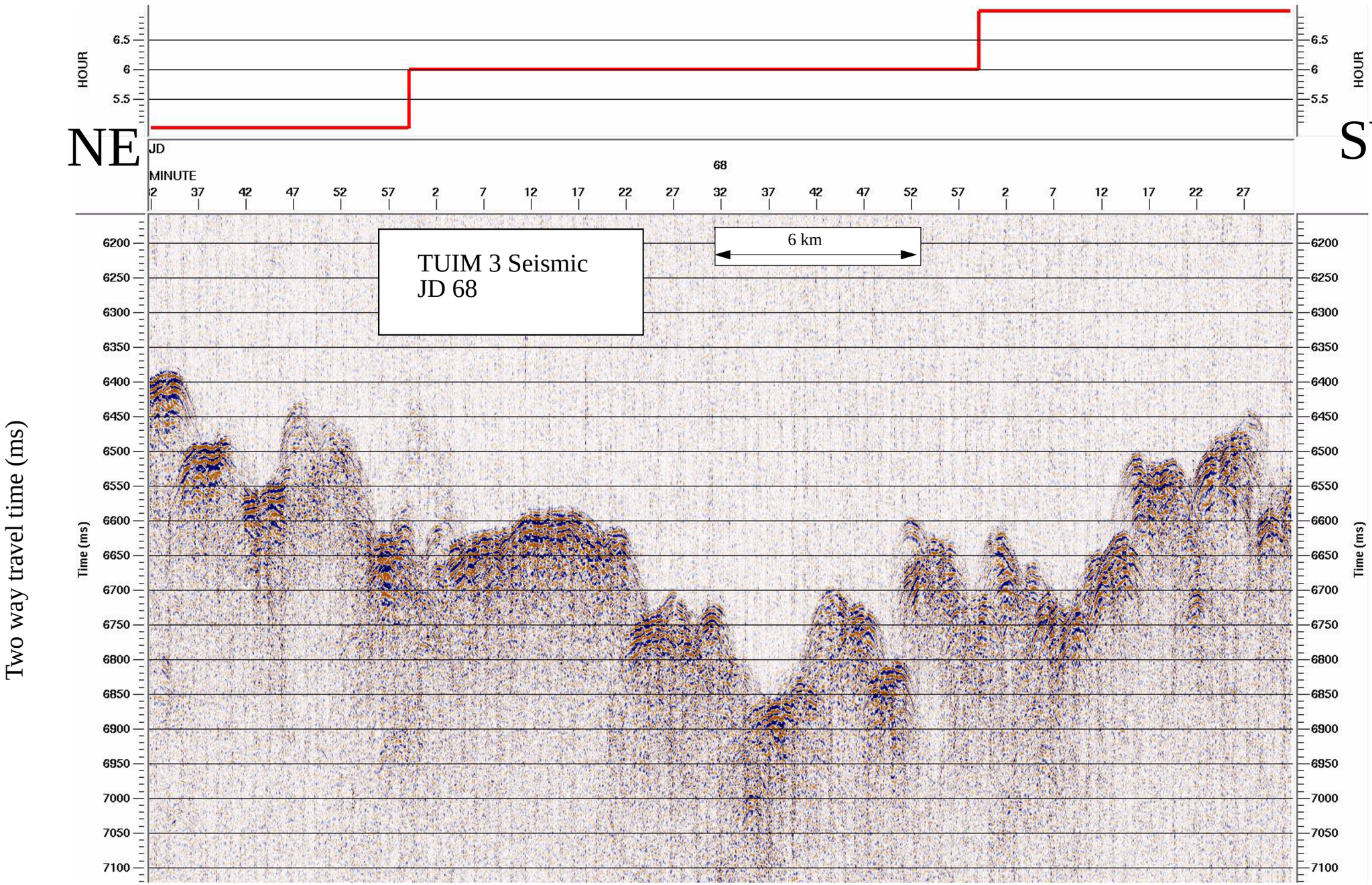

Heading
Julian Day 68
Degrees
400
300
200
100
3:32 AM
5:32 AM
Ship Speed
knots
14
12
10
8
6
-38:8:43.644 S
-38:14:40.764 S
12 kHz Depth
meters
4000
4500
5000
5500
-135:46:57.312 W
-136:11:32.01 W
x 10^4
Total Magnetic Field
nT
4.4
4.35
4.3
4.25
File=2665
File=3384

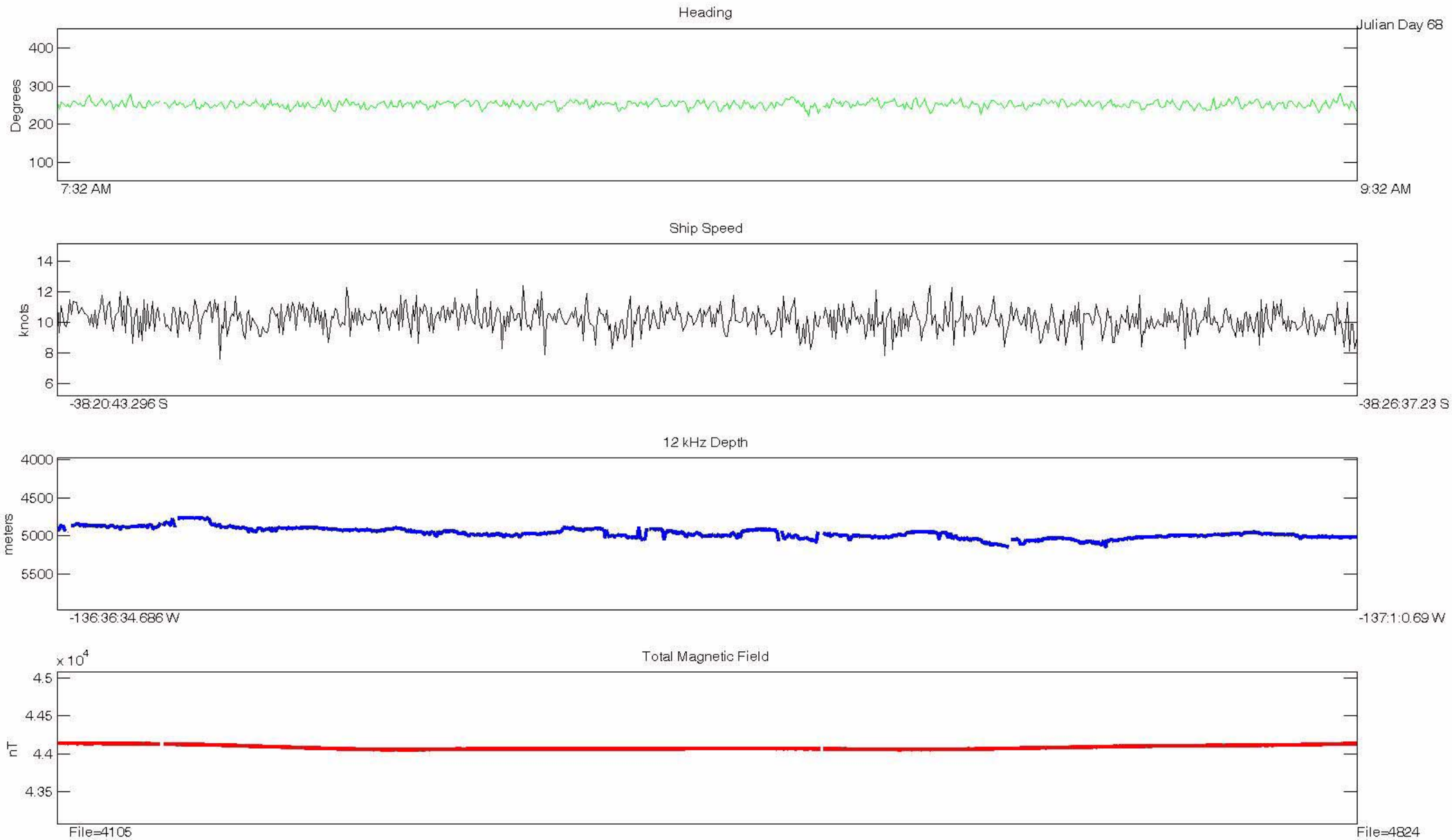

NE
SW
HOUR
4.5
4
3.5
JD
68
MINUTE
42 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27
TUIM 3 Seismic
JD 68
6 km
Time (ms)
6050
6100
6150
6200
6250
6300
6350
6400
6450
6500
6550
6600
6650
6700
6750
6800
6850
6900
6950
Two way travel time (ms)

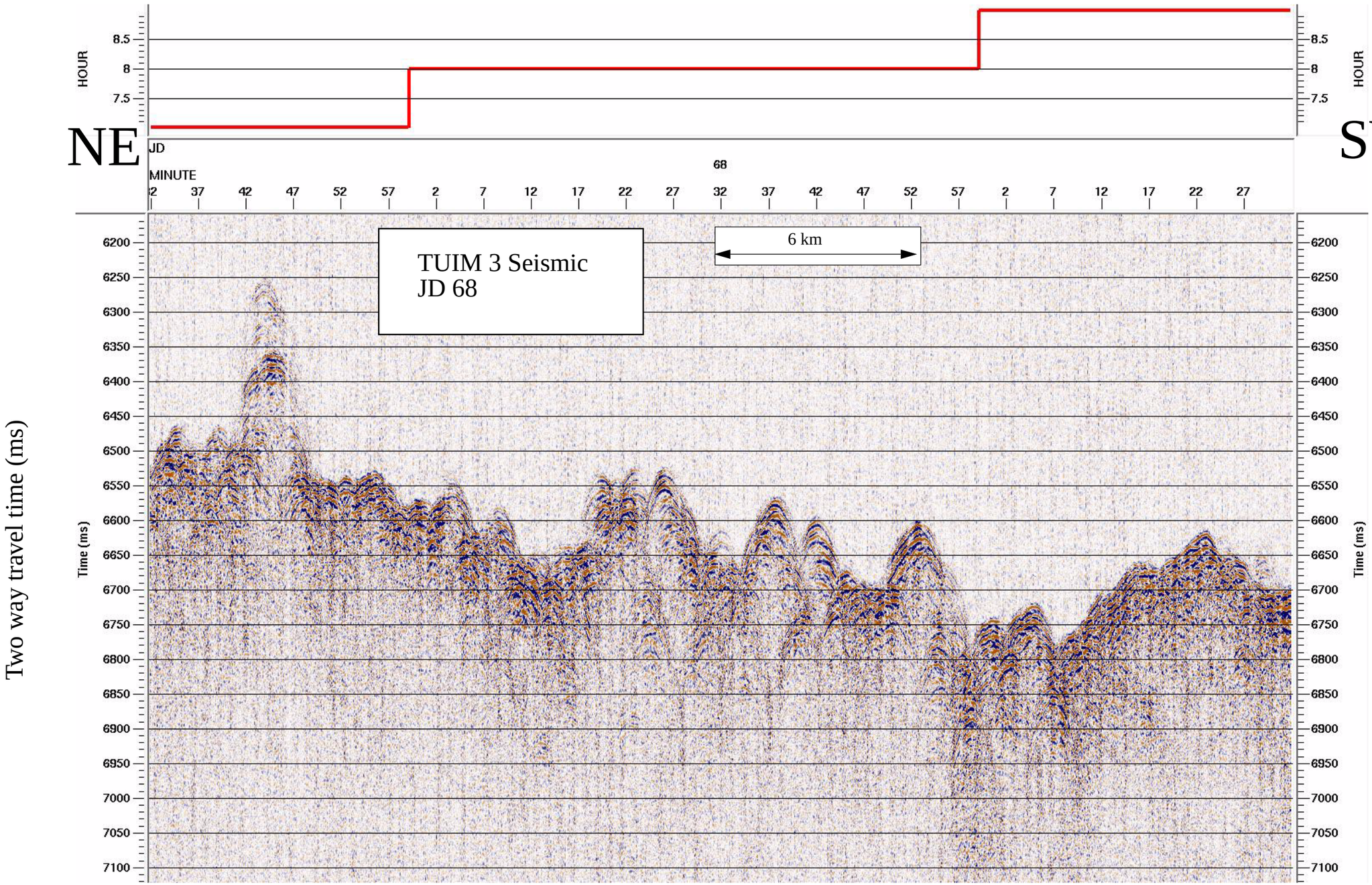
Data File SBfixavg.2005mar09.0600-1200

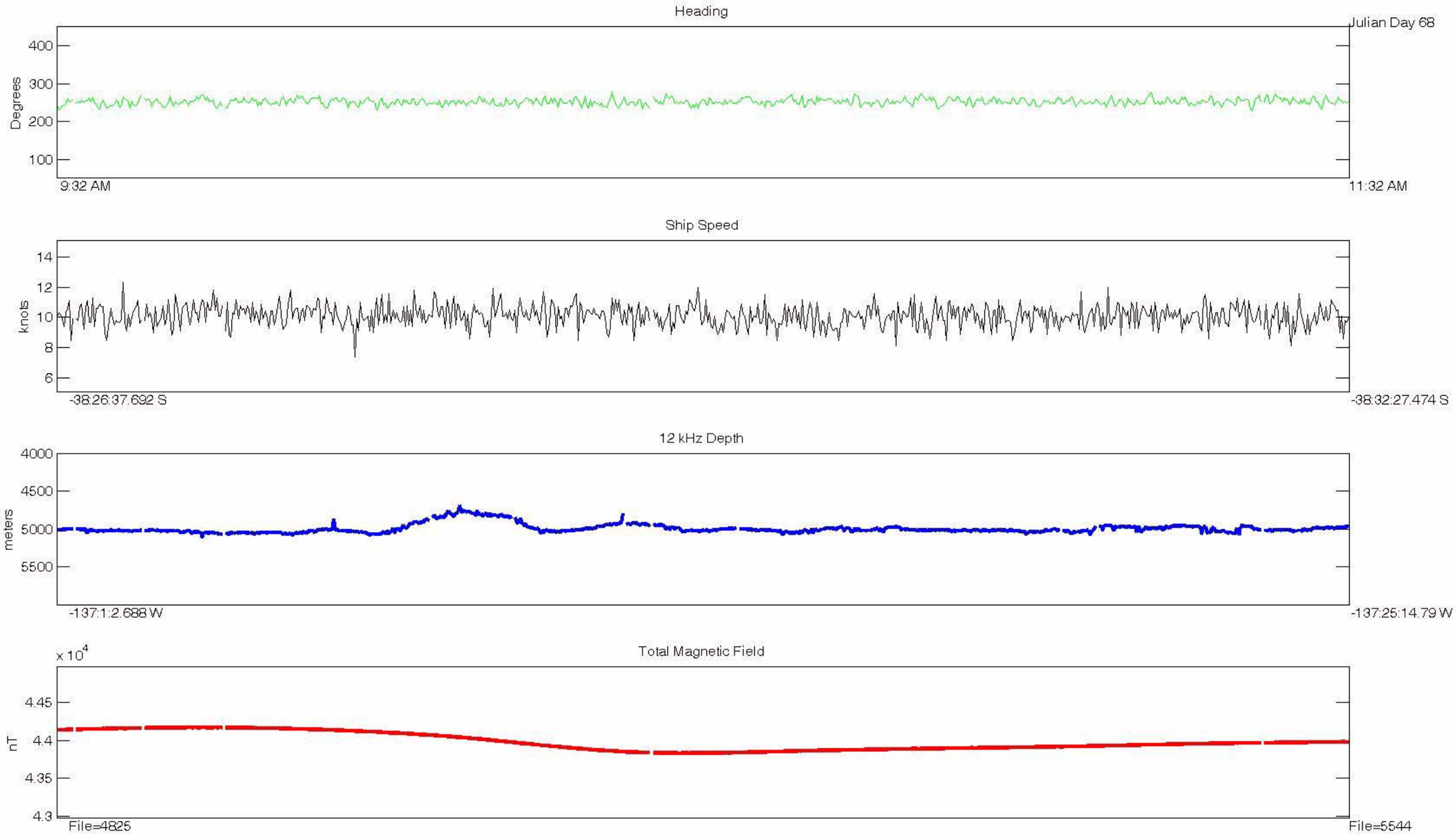


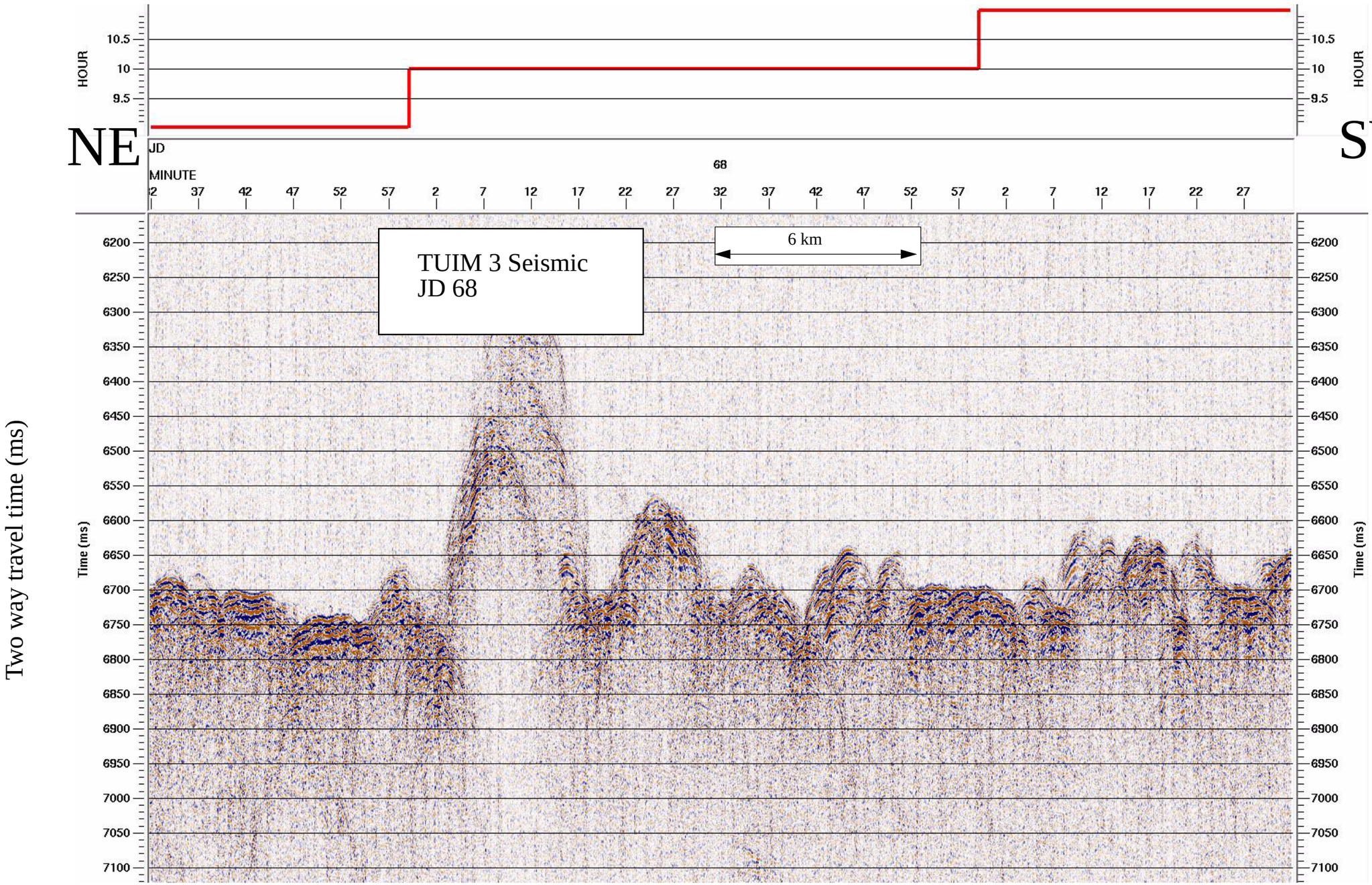

Heading
Julian Day 68
Degrees
400
300
200
100
5:32 AM
7:32 AM
Ship Speed
knots
14
12
10
8
6
-38:14:41.184 S
-38:20:42.87 S
12 kHz Depth
meters
4000
4500
5000
5500
-136:11:34.074 W
-136:36:32.532 W
x 10^4
Total Magnetic Field
nT
4.45
4.4
4.35
4.3
File=3385
File=4104


HOUR
6.5
6
5.5
NE
SW
JD
68
MINUTE
TUIM 3 Seismic
JD 68
6 km
Time (ms)
6200
6250
6300
6350
6400
6450
6500
6550
6600
6650
6700
6750
6800
6850
6900
6950
7000
7050
7100
Two way travel time (ms)

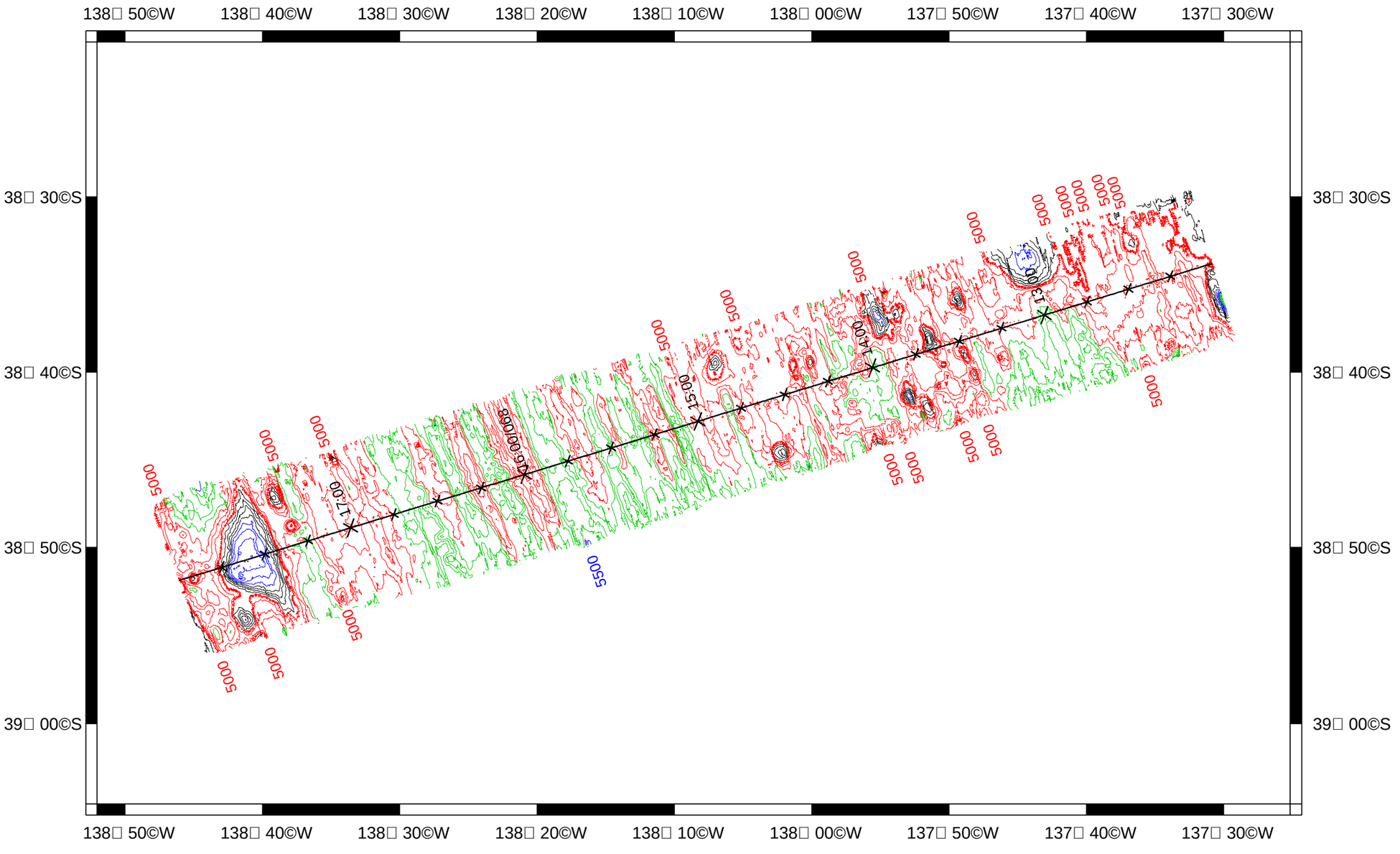

Heading
Julian Day 68
Degrees
400
300
200
100
7:32 AM
9:32 AM
Ship Speed
knots
14
12
10
8
6
-38:20:43.296 S
-38:26:37.23 S
12 kHz Depth
meters
4000
4500
5000
5500
-136:36:34.686 W
-137:1:0.69 W
x 10^4
Total Magnetic Field
nT
4.5
4.45
4.4
4.35
File=4105
File=4824

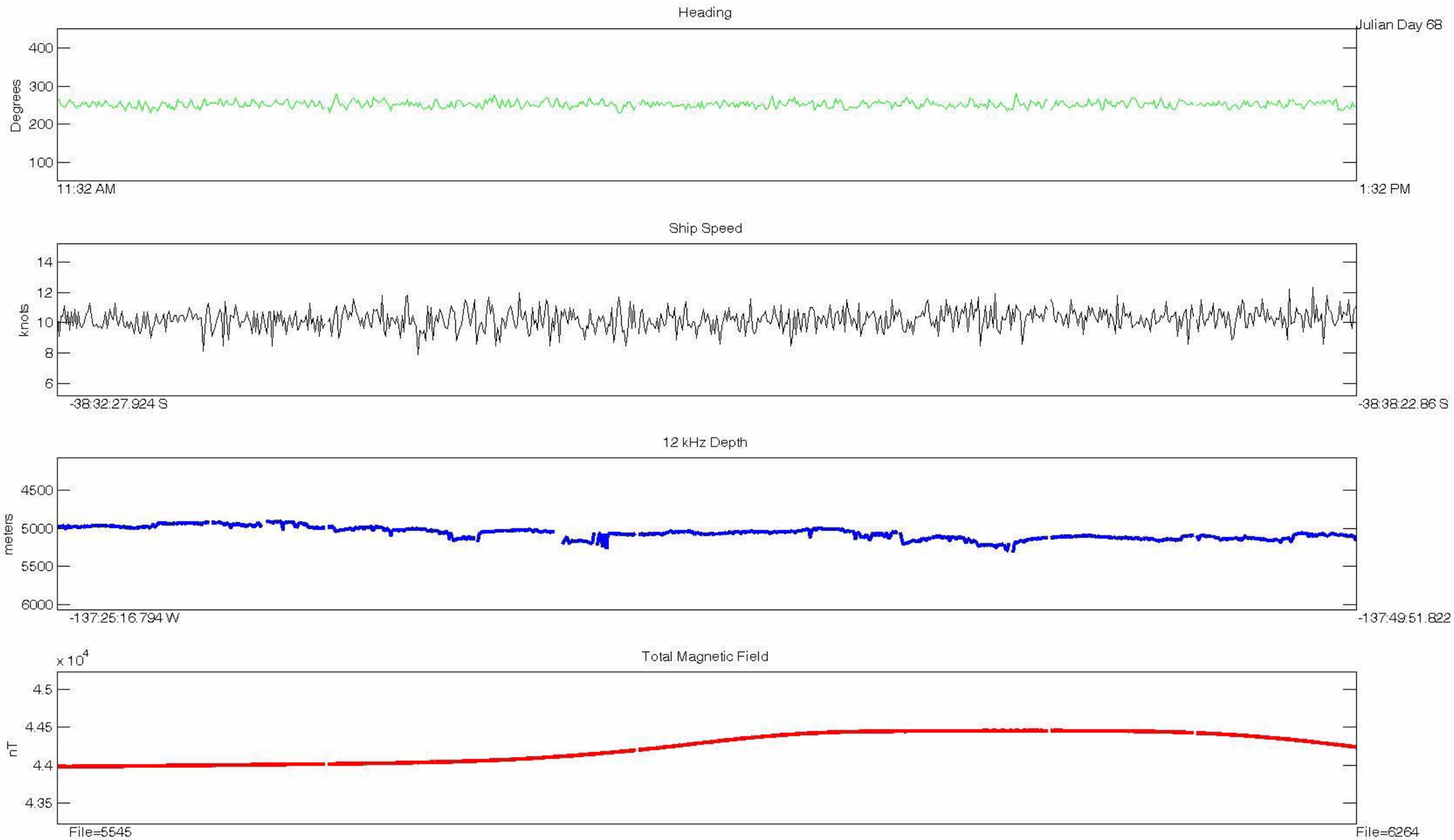

HOUR
8.5
8
7.5
NE
SW
JD
68
MINUTE
TUIM 3 Seismic
JD 68
6 km
Time (ms)
6200
6250
6300
6350
6400
6450
6500
6550
6600
6650
6700
6750
6800
6850
6900
6950
7000
7050
7100
Two way travel time (ms)

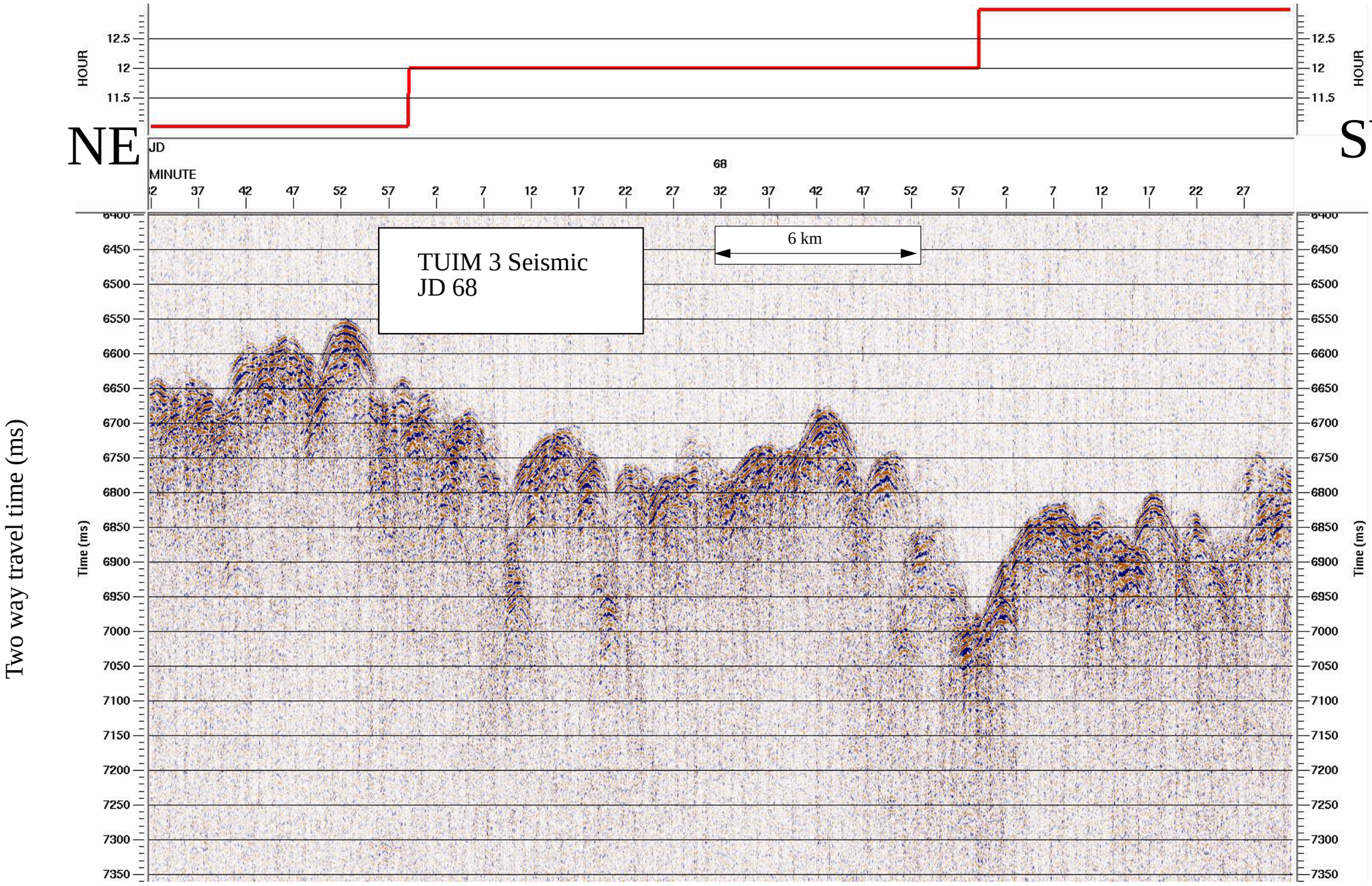

Heading
Julian Day 68
400
300
200
100
Degrees
9:32 AM
11:32 AM
Ship Speed
14
12
10
8
6
knots
-38:26:37.692 S
-38:32:27.474 S
12 kHz Depth
4000
4500
5000
5500
meters
-137:1:2.688 W
-137:25:14.79 W
x 10^4
Total Magnetic Field
4.45
4.4
4.35
4.3
nT
File=4825
File=5544

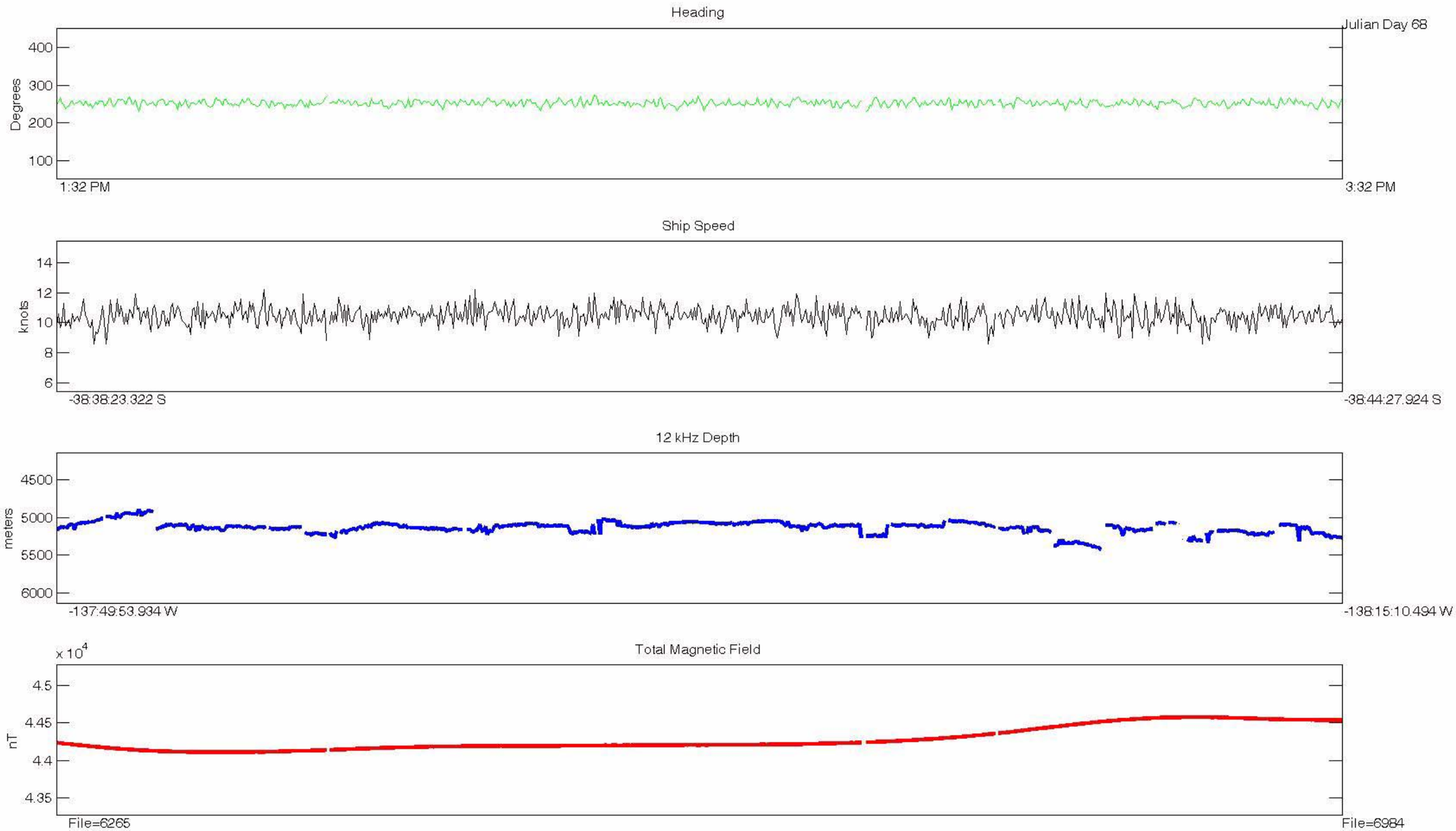

HOUR
10.5
10
9.5
NE
SW
JD
68
MINUTE
TUIM 3 Seismic
JD 68
6 km
Time (ms)
6200
6250
6300
6350
6400
6450
6500
6550
6600
6650
6700
6750
6800
6850
6900
6950
7000
7050
7100
Two way travel time (ms)

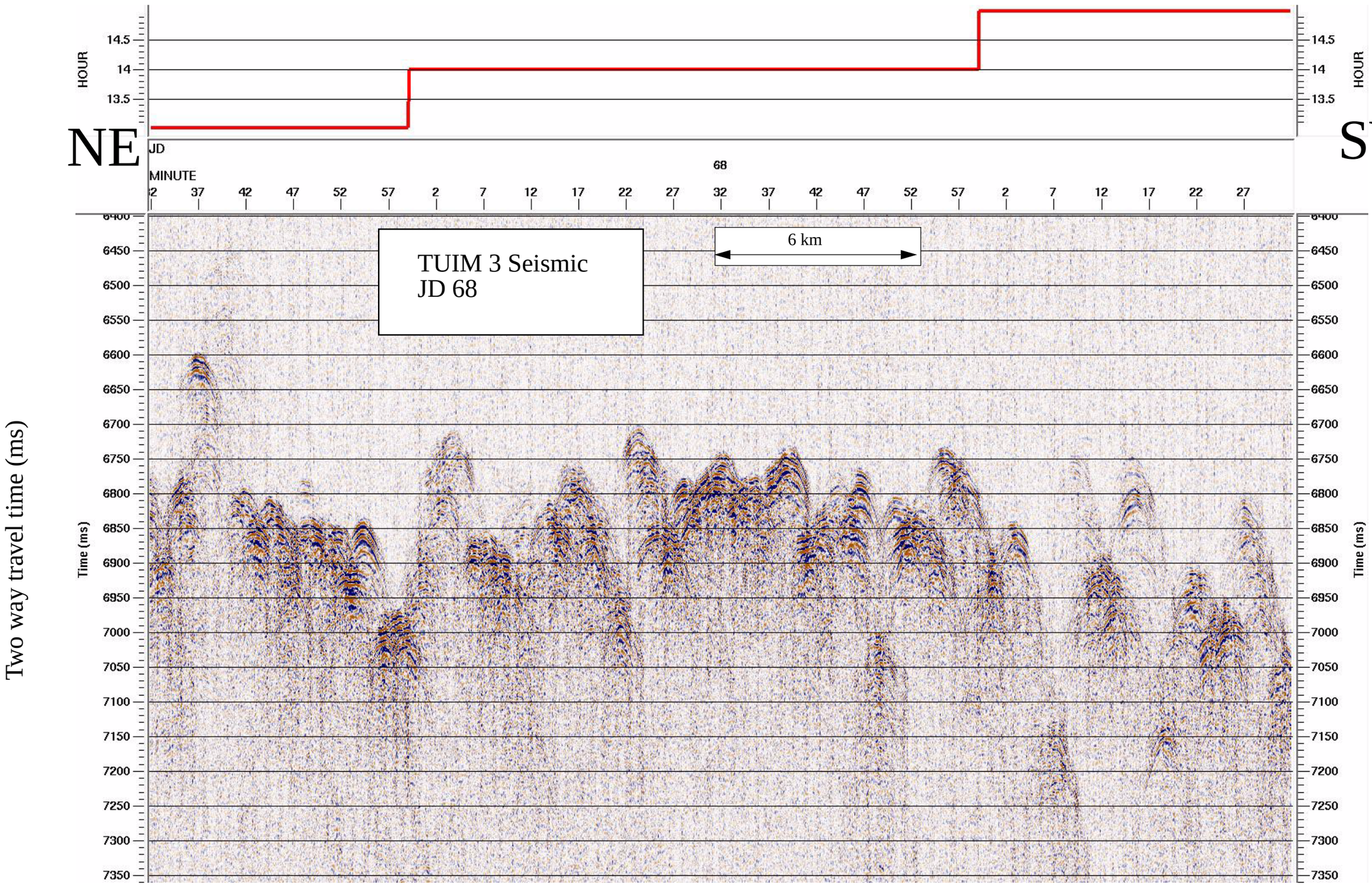
Data File SBfixavg.2005mar09.1200-1800

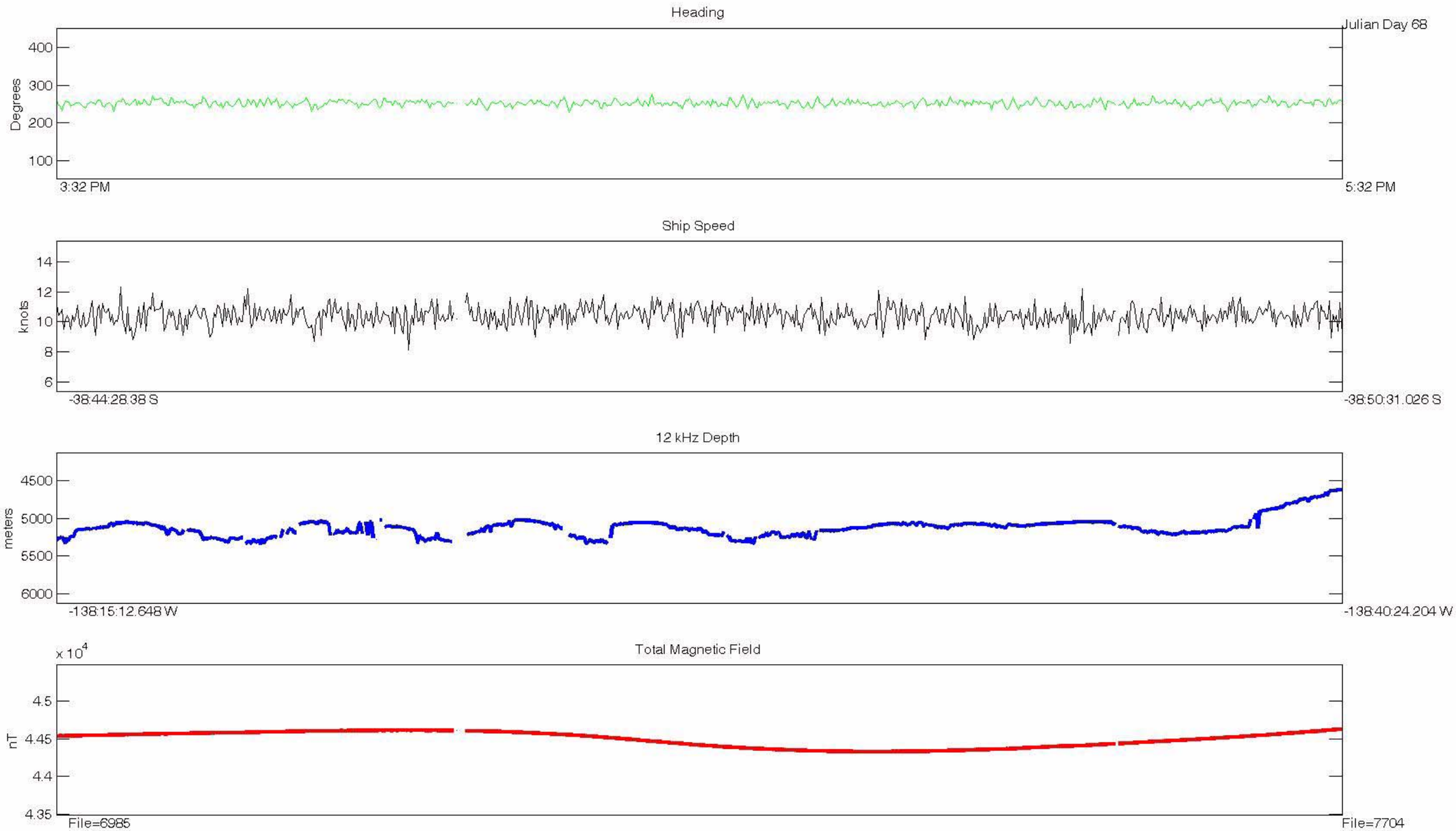


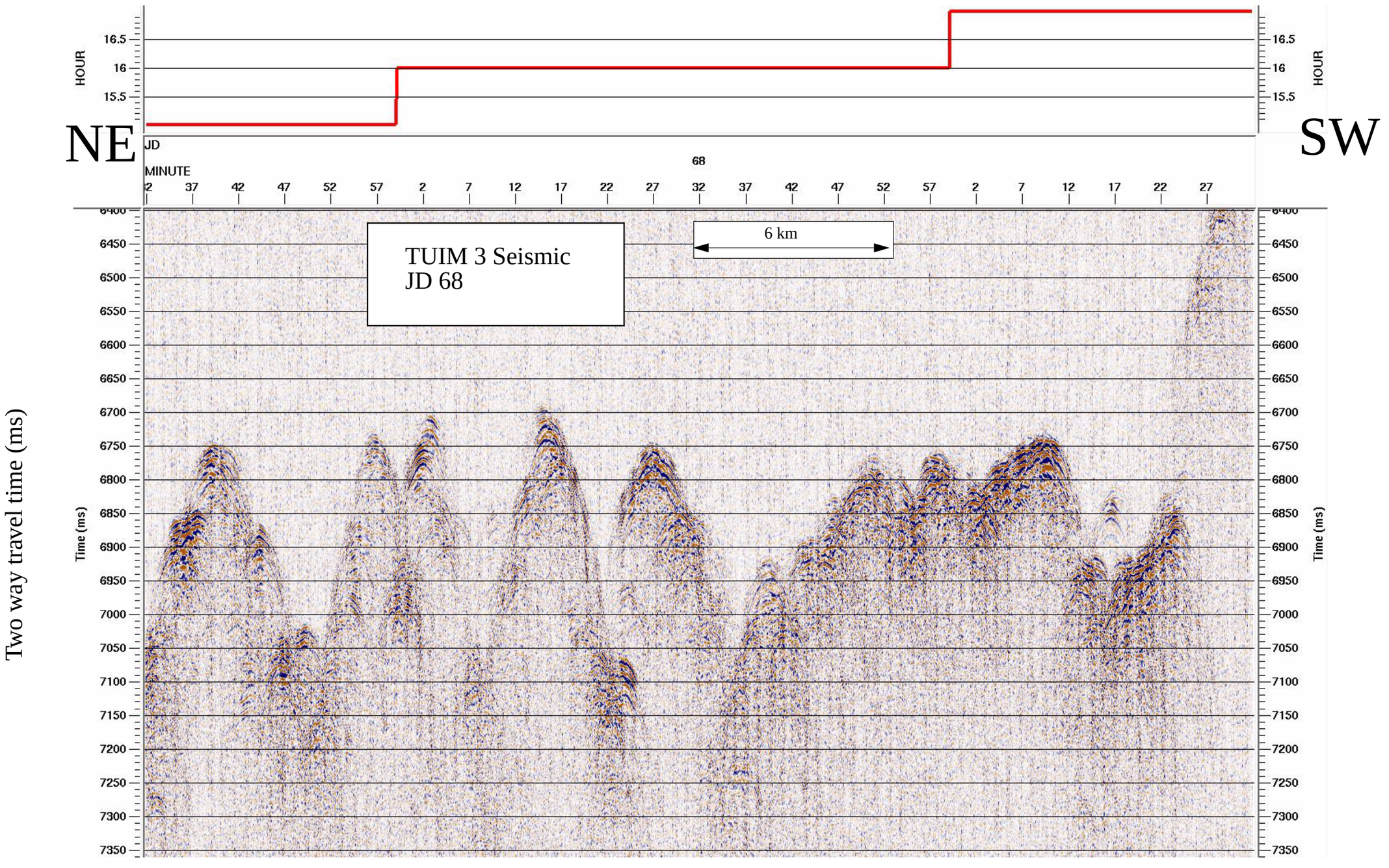

Heading
Julian Day 68
Degrees
400
300
200
100
11:32 AM
1:32 PM
Ship Speed
knots
14
12
10
8
6
-38:32:27.924 S
-38:38:22.86 S
12 kHz Depth
meters
4500
5000
5500
6000
-137:25:16.794 W
-137:49:51.822 W
x 10^4
Total Magnetic Field
nT
4.5
4.45
4.4
4.35
File=5545
File=6264


HOUR
12.5
12
11.5
NE
SW
JD
68
MINUTE
42 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27
TUIM 3 Seismic
JD 68
6 km
Two way travel time (ms)
Time (ms)
6400
6450
6500
6550
6600
6650
6700
6750
6800
6850
6900
6950
7000
7050
7100
7150
7200
7250
7300
7350

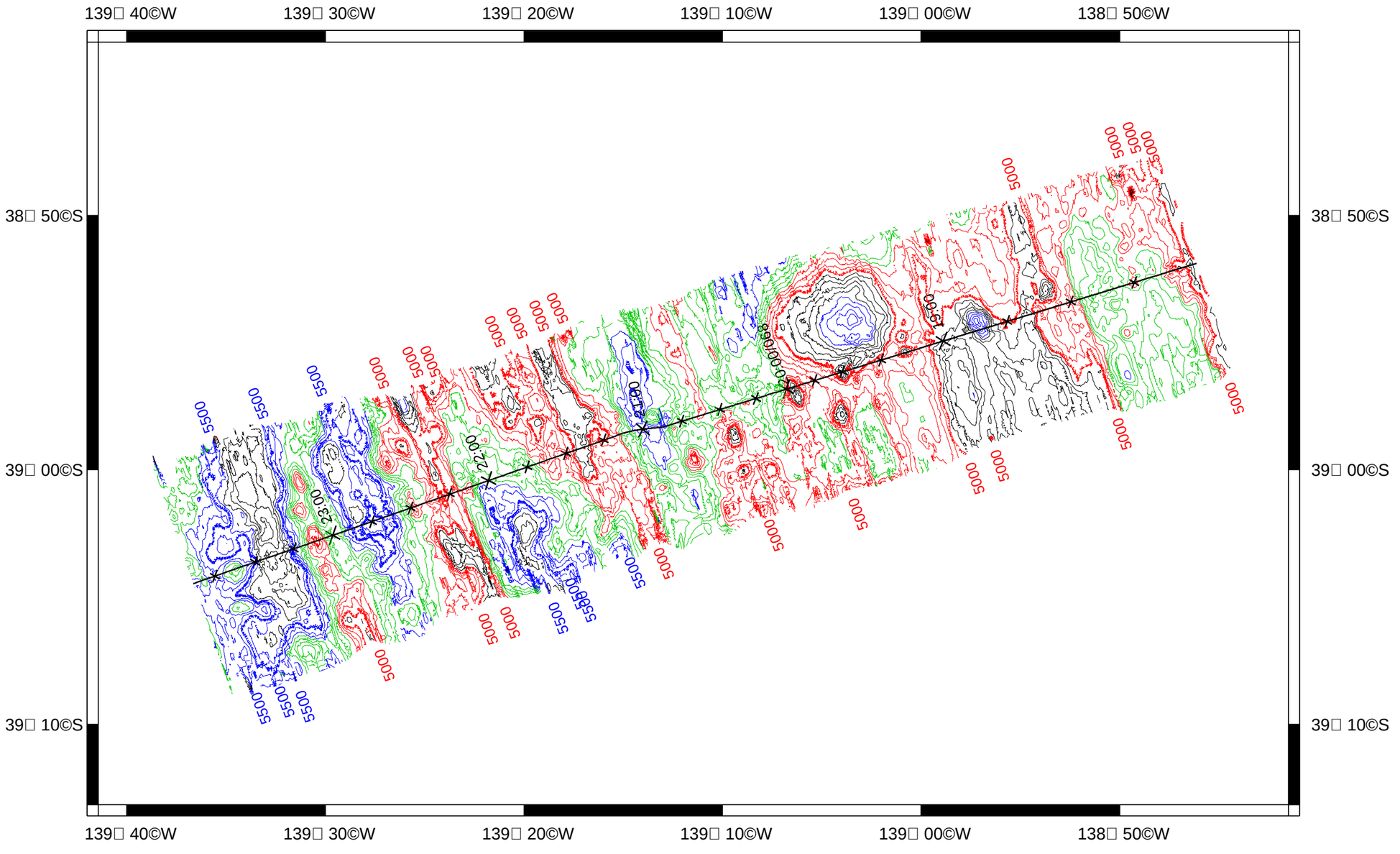

Heading
Julian Day 68
Degrees
400
300
200
100
1:32 PM
3:32 PM
Ship Speed
knots
14
12
10
8
6
-38:38:23.322 S
-38:44:27.924 S
12 kHz Depth
meters
4500
5000
5500
6000
-137:49:53.934 W
-138:15:10.494 W
Total Magnetic Field
x 10^4
nT
4.5
4.45
4.4
4.35
File=6265
File=6984

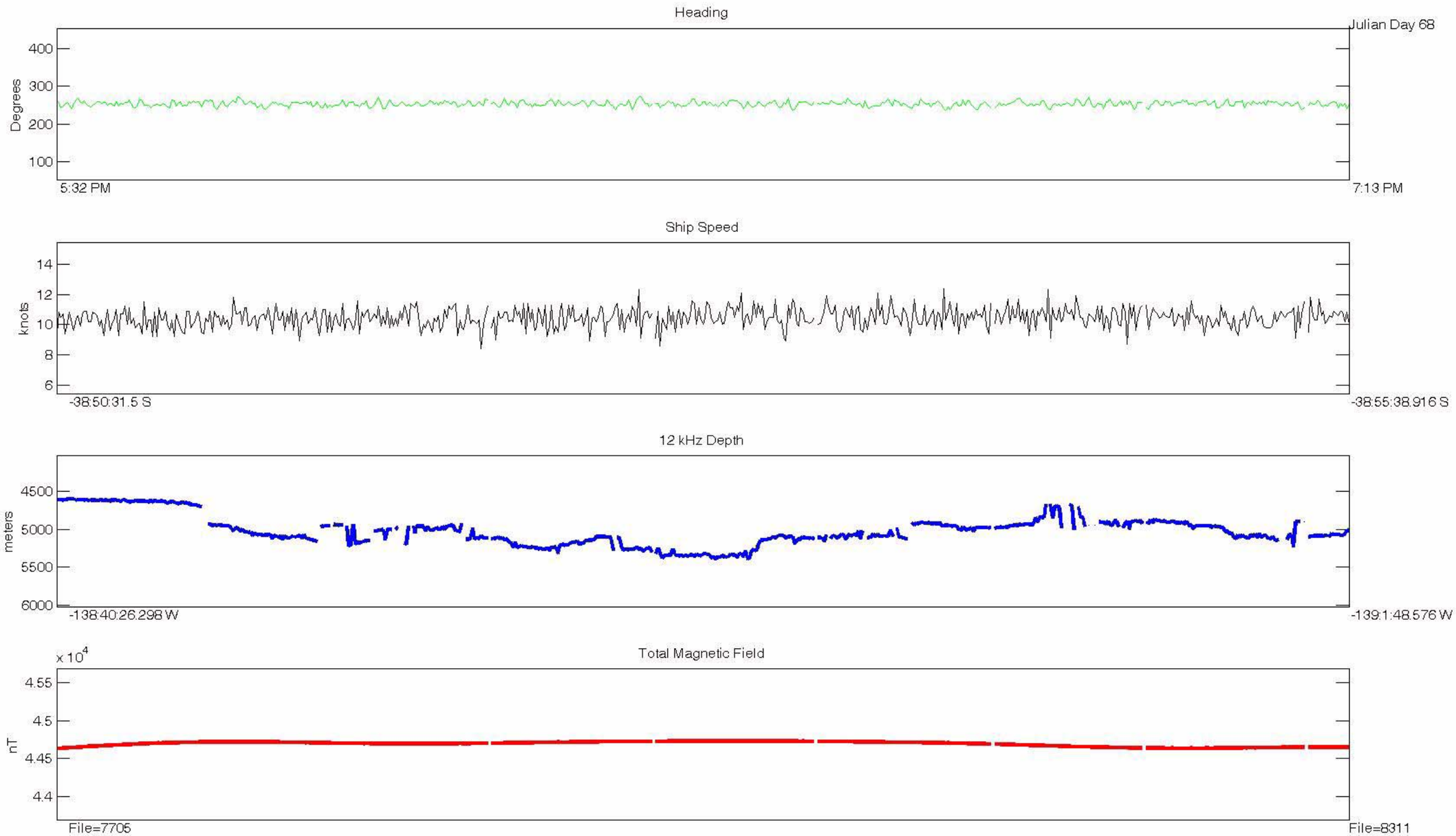

HOUR
14.5
14
13.5
NE
SW
JD
68
MINUTE
TUIM 3 Seismic
JD 68
6 km
Time (ms)
6400
6450
6500
6550
6600
6650
6700
6750
6800
6850
6900
6950
7000
7050
7100
7150
7200
7250
7300
7350
Two way travel time (ms)

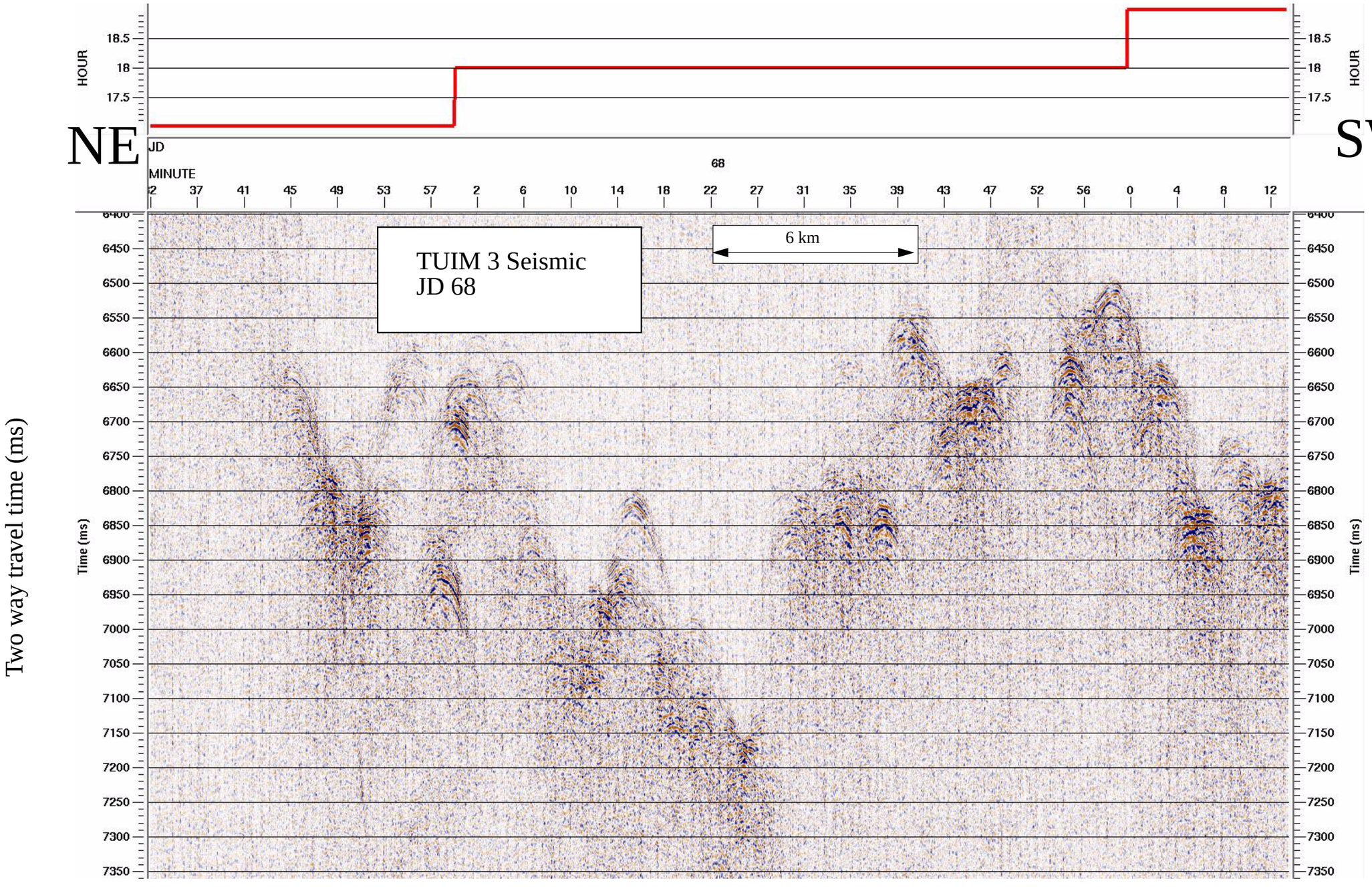

Heading
Julian Day 68
Degrees
400
300
200
100
3:32 PM
5:32 PM
Ship Speed
knots
14
12
10
8
6
-38:44:28.38 S
-38:50:31.026 S
12 kHz Depth
meters
4500
5000
5500
6000
-138:15:12.648 W
-138:40:24.204 W
x 10^4
Total Magnetic Field
nT
4.5
4.45
4.4
4.35
File=6985
File=7704


NE
SW
HOUR
16.5
16
15.5
JD
68
MINUTE
42 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27
TUIM 3 Seismic
JD 68
6 km
Time (ms)
6400
6450
6500
6550
6600
6650
6700
6750
6800
6850
6900
6950
7000
7050
7100
7150
7200
7250
7300
7350
Two way travel time (ms)

Data File SBfixavg.2005mar09.1800-2400

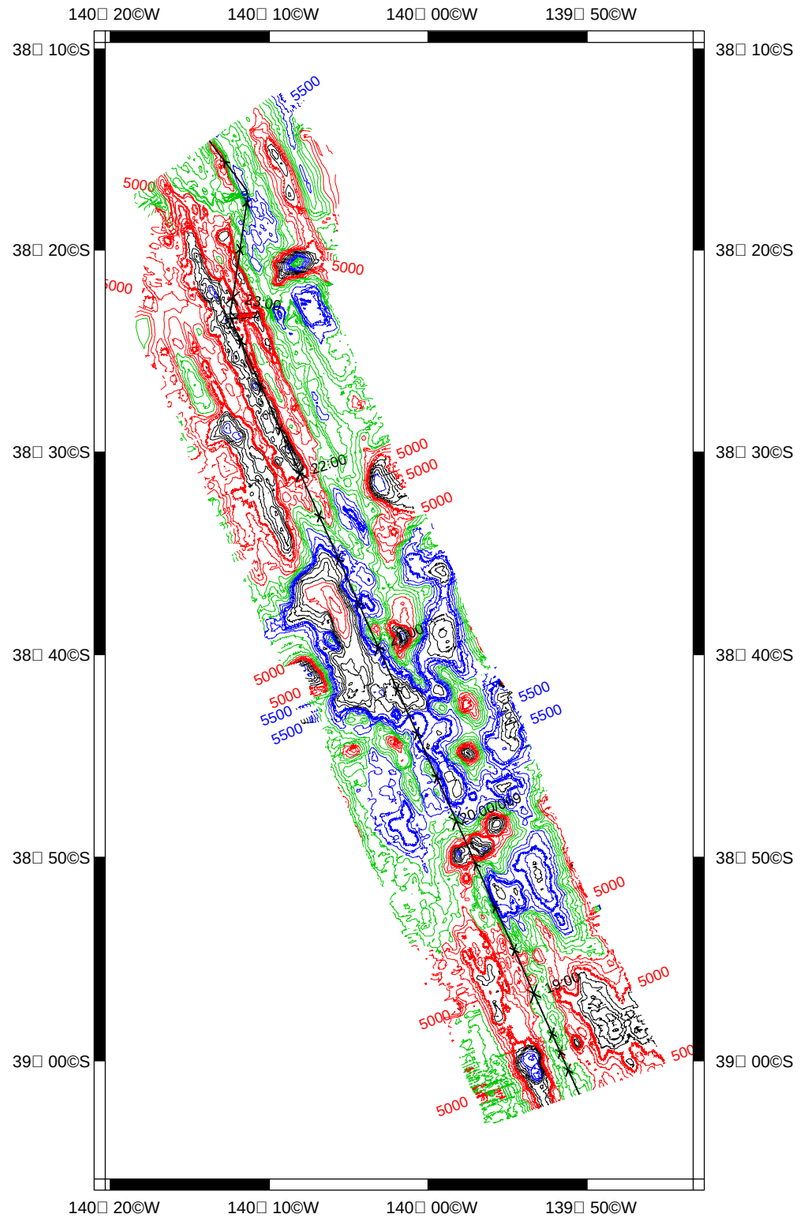


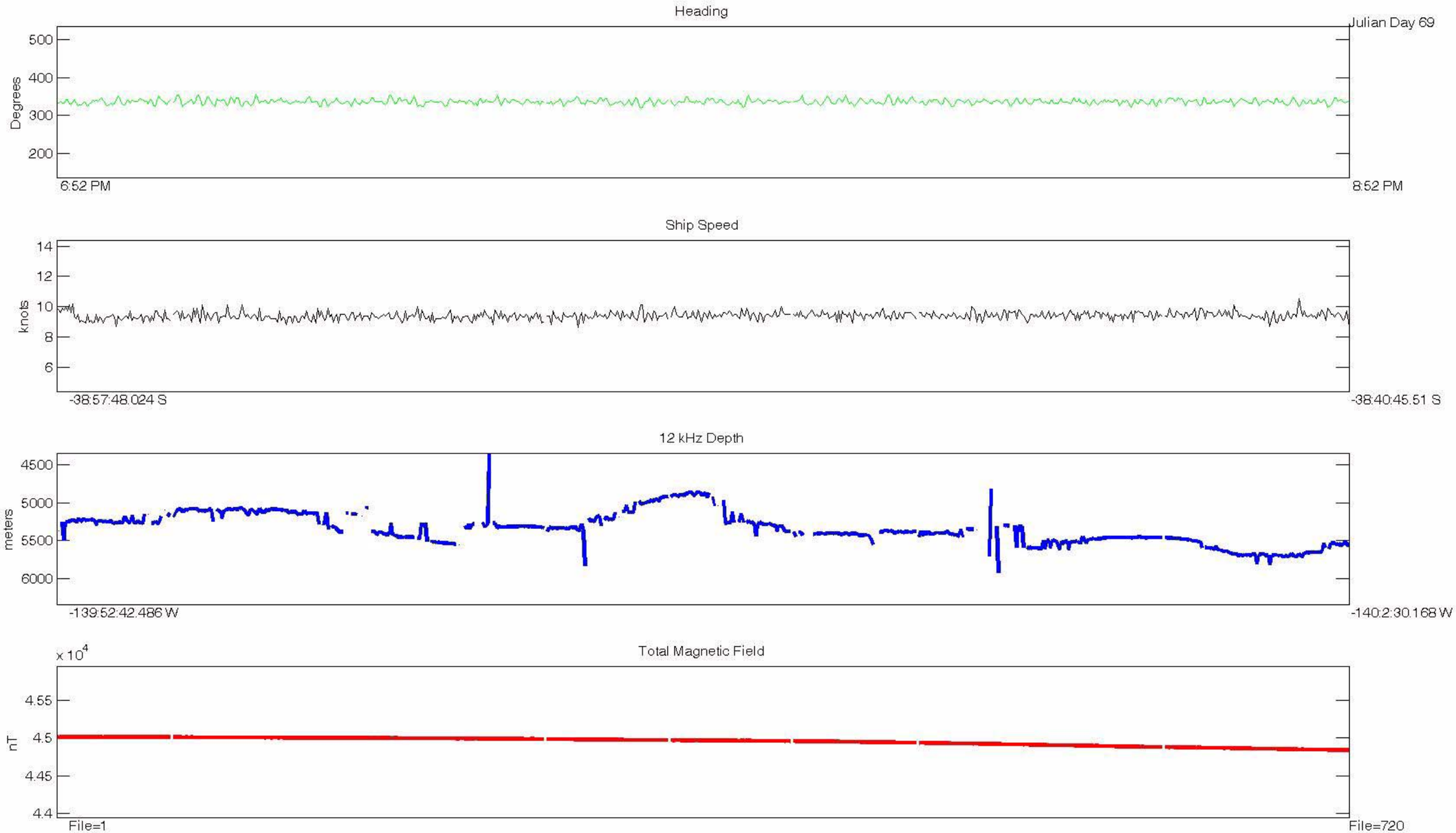

Heading
Julian Day 68
400
300
200
100
Degrees
5:32 PM
7:13 PM
Ship Speed
14
12
10
8
6
knots
-38:50:31.5 S
-38:55:38.916 S
12 kHz Depth
4500
5000
5500
6000
meters
-138:40:26.298 W
-139:1:48.576 W
x 10^4
Total Magnetic Field
4.55
4.5
4.45
4.4
nT
File=7705
File=8311

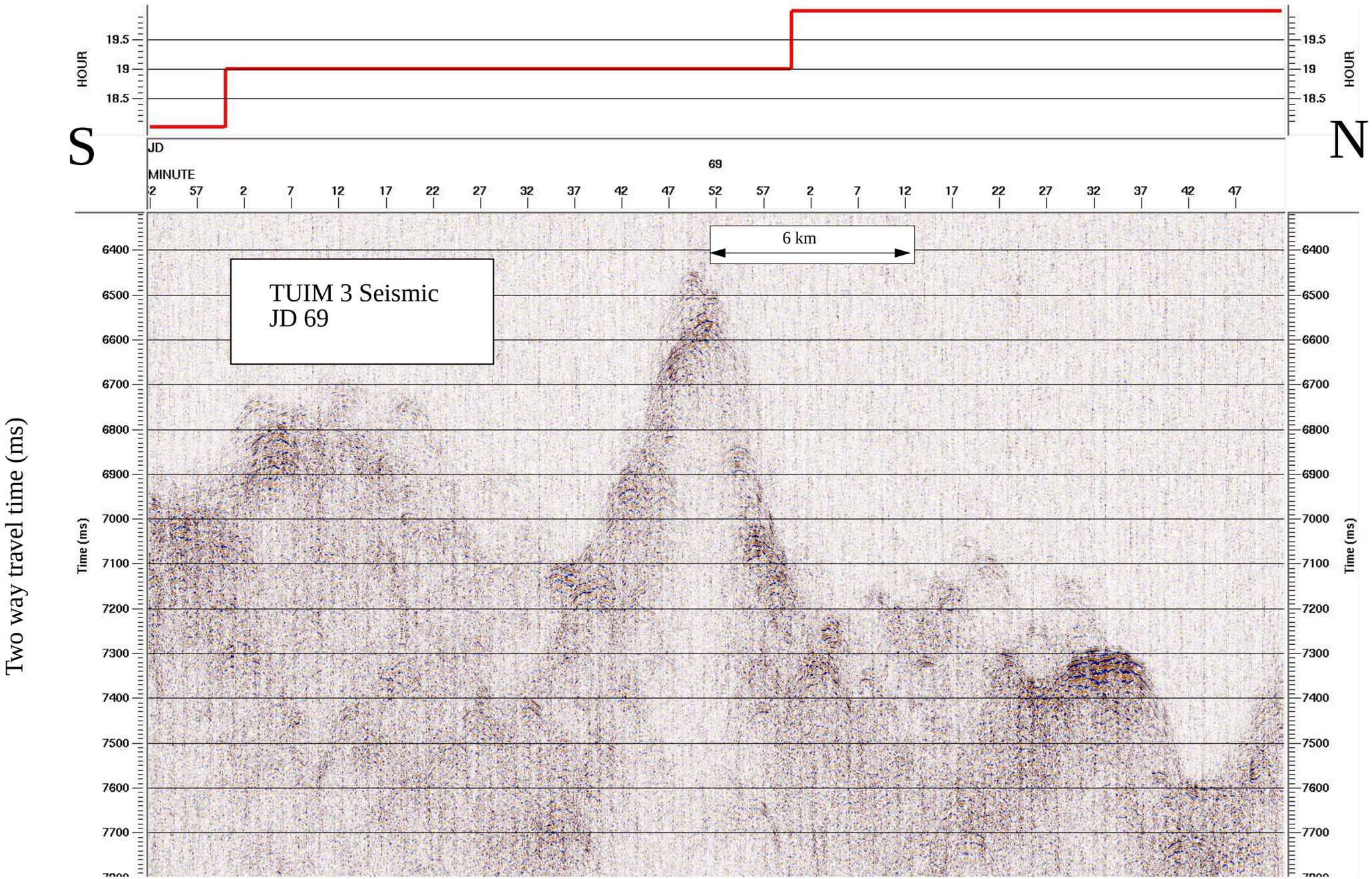

NE
SW
HOUR
18.5
18
17.5
JD
68
MINUTE
2 37 41 45 49 53 57 2 6 10 14 18 22 27 31 35 39 43 47 52 56 0 4 8 12
TUIM 3 Seismic
JD 68
6 km
Time (ms)
6400 6450 6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300 7350
Two way travel time (ms)

Julian Day 69
10 March 2005
150 c.i GI gun Source,
4-channel SIO streamer

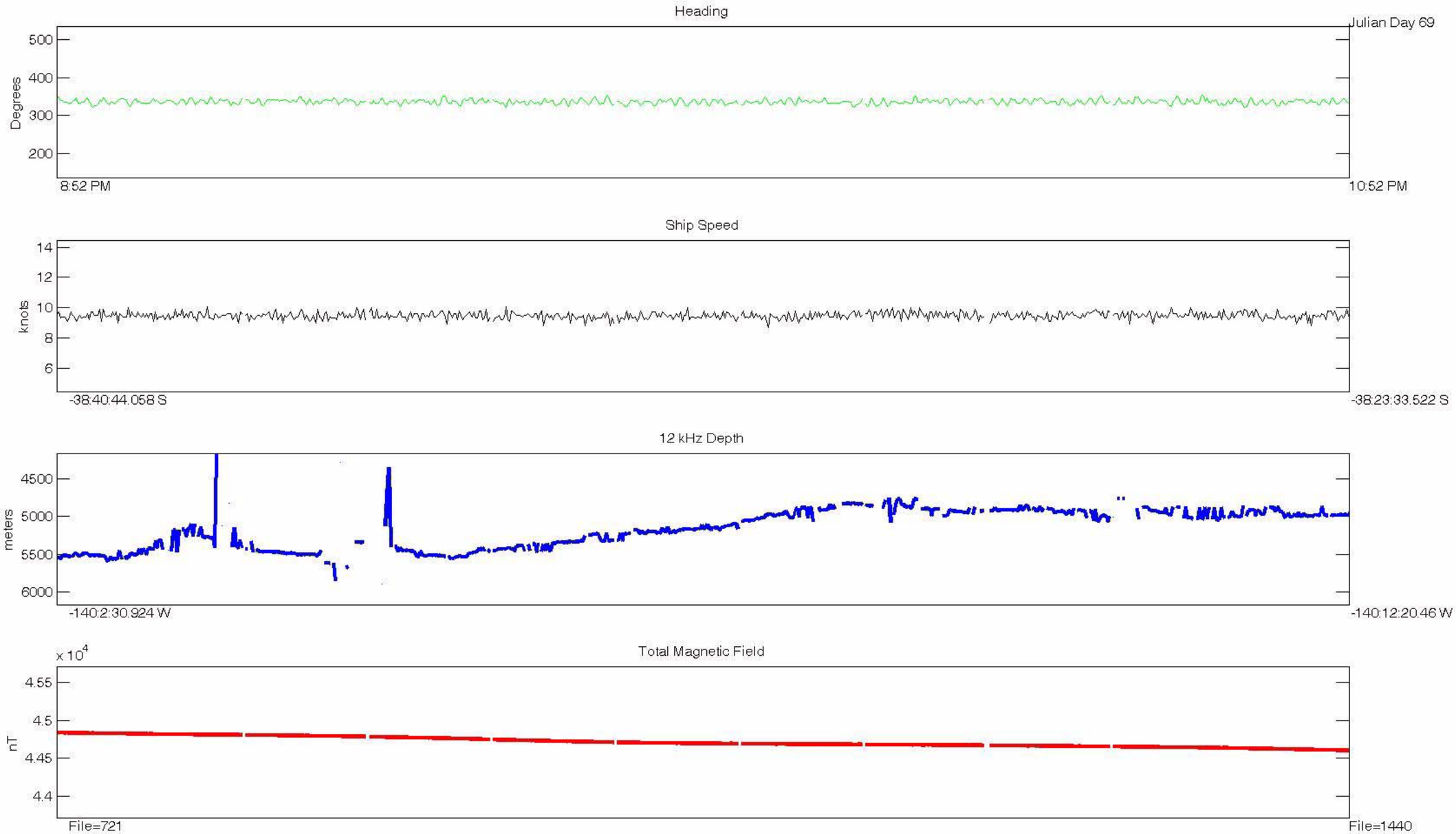
Data File SBfixavg.2005mar10.1800-2400

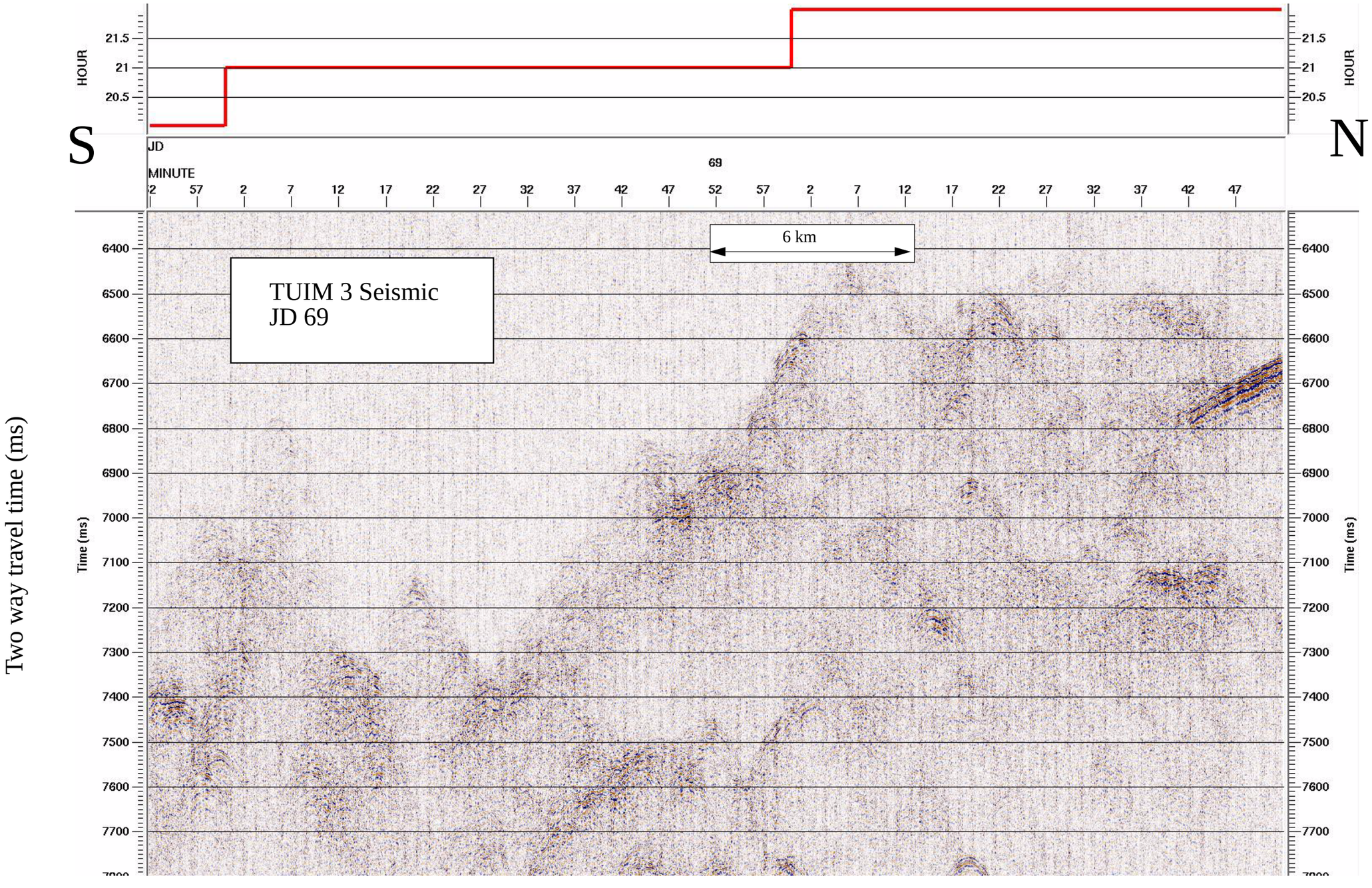


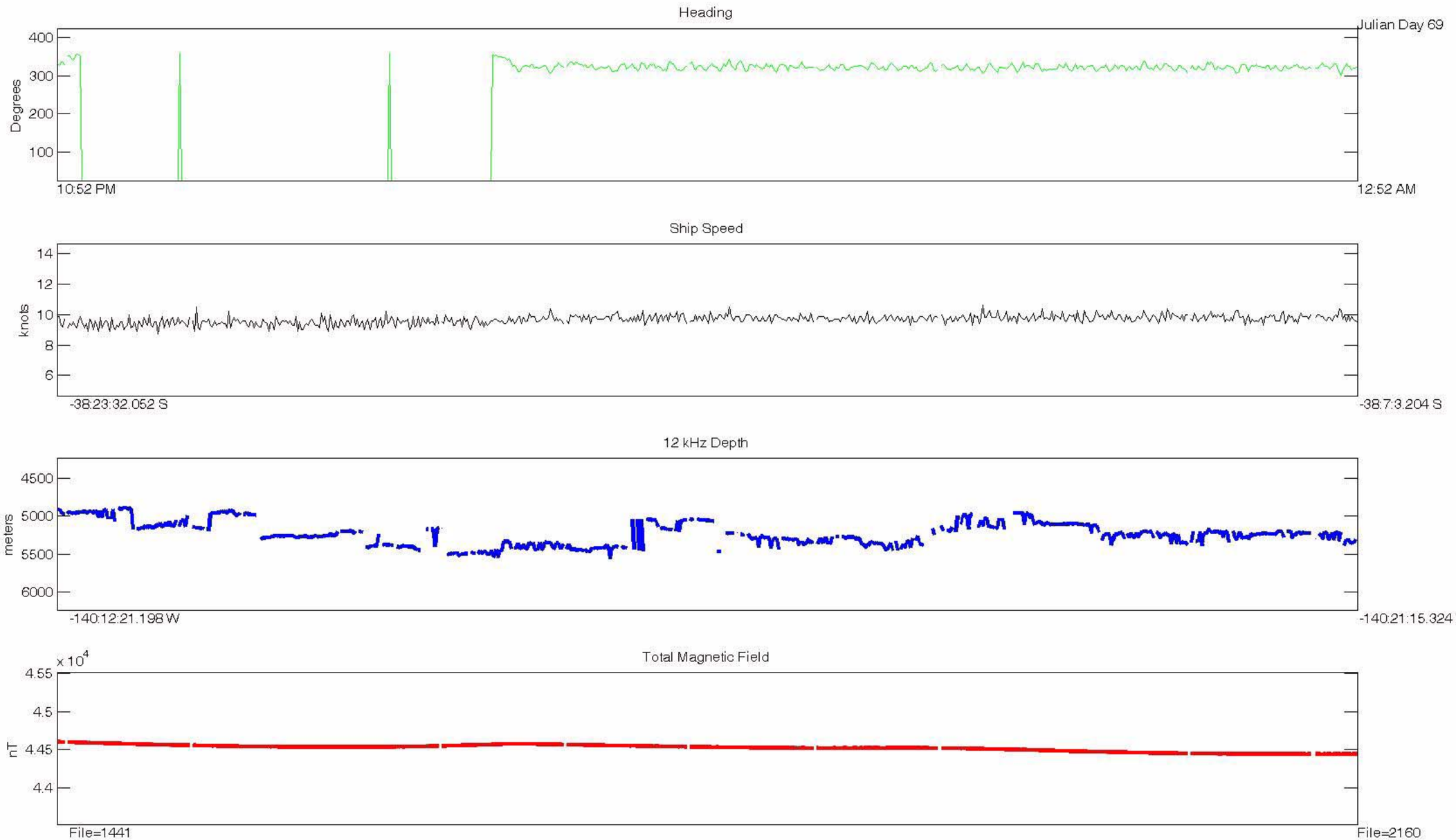

Heading
Julian Day 69
500
400
300
200
Degrees
6:52 PM
8:52 PM
Ship Speed
14
12
10
8
6
knots
-38:57:48.024 S
-38:40:45.51 S
12 kHz Depth
4500
5000
5500
6000
meters
-139:52:42.486 W
-140:2:30.168 W
x 10^4
Total Magnetic Field
4.55
4.5
4.45
4.4
nT
File=1
File=720

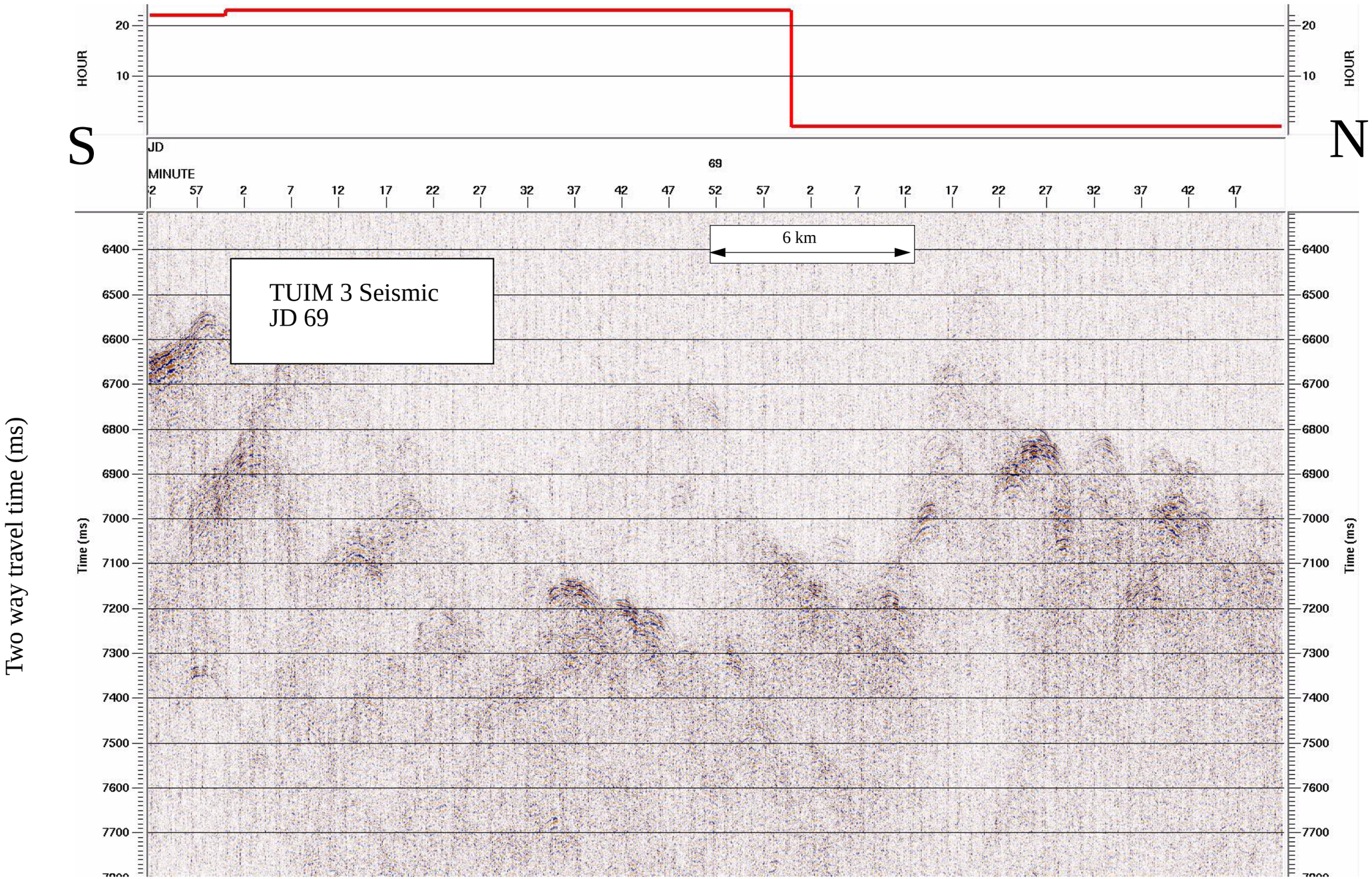


Two way travel time (ms)


Heading
Julian Day 69
500
400
300
200
Degrees
8:52 PM
10:52 PM
Ship Speed
14
12
10
8
6
knots
-38:40:44.058 S
-38:23:33.522 S
12 kHz Depth
4500
5000
5500
6000
meters
-140:2:30.924 W
-140:12:20.46 W
x 10^4
Total Magnetic Field
4.55
4.5
4.45
4.4
nT
File=721
File=1440


HOUR
21.5
21
20.5
S
N
JD
69
MINUTE
2 57 2 7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47
6 km
TUIM 3 Seismic
JD 69
Two way travel time (ms)
Time (ms)
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700

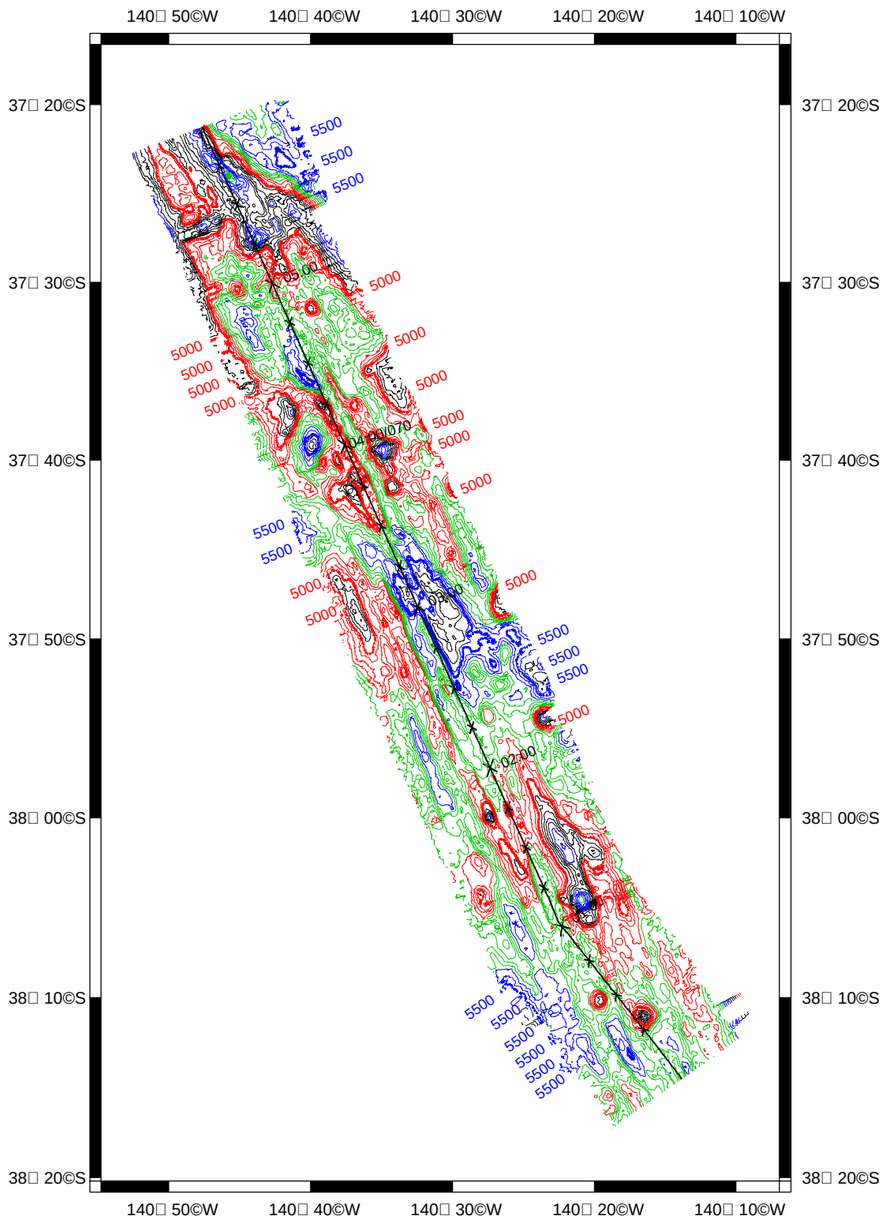

Heading
Julian Day 69
Degrees
400
300
200
100
10:52 PM
12:52 AM
Ship Speed
knots
14
12
10
8
6
-38:23:32.052 S
-38:7:3.204 S
12 kHz Depth
meters
4500
5000
5500
6000
-140:12:21.198 W
-140:21:15.324 W
Total Magnetic Field
x 10^4
nT
4.55
4.5
4.45
4.4
File=1441
File=2160

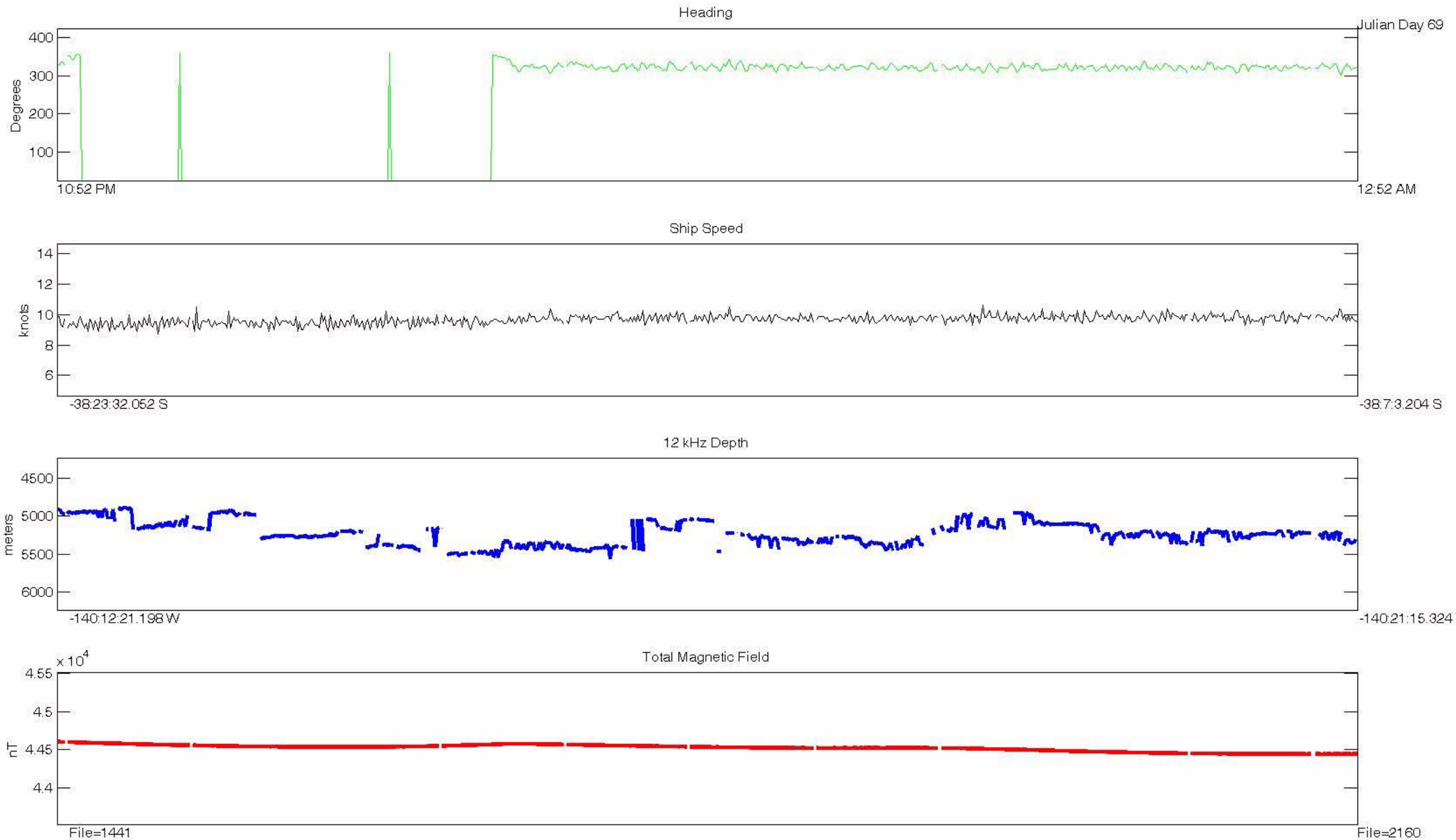


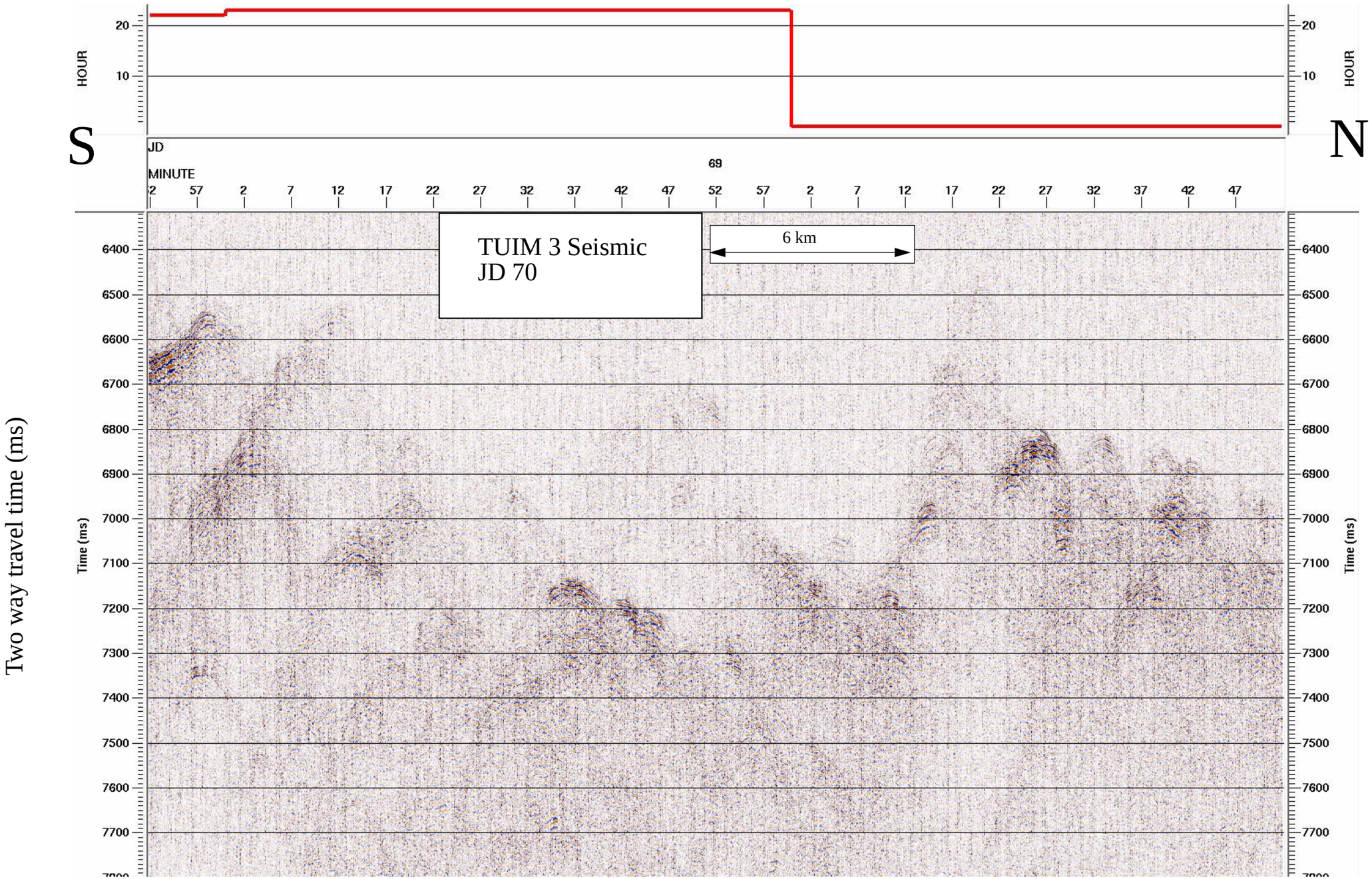
Two way travel time (ms)

Julian Day 70
11 March 2005
150 c.i GI gun Source,
4-channel SIO streamer

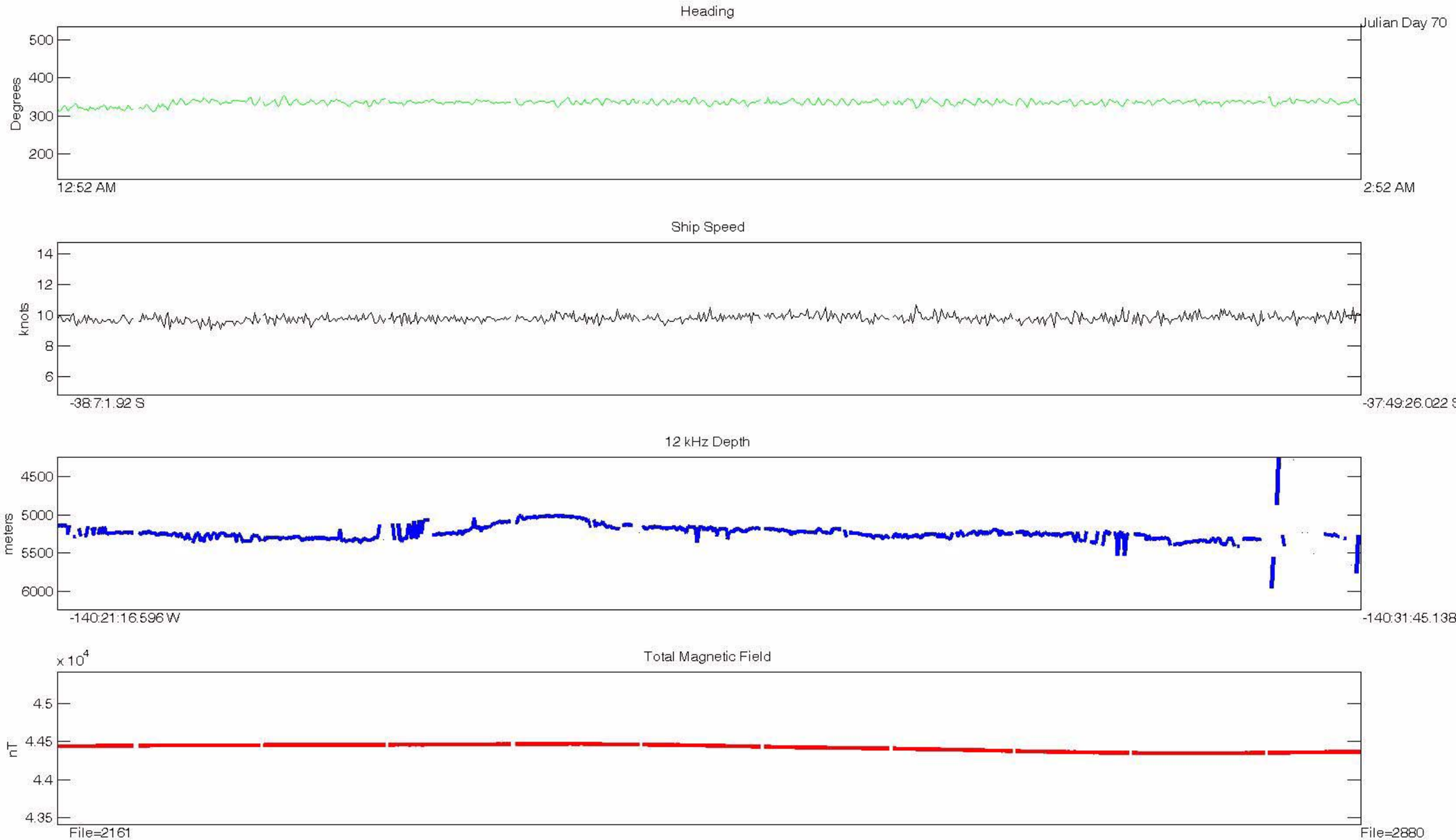
Data File SBfixavg.2005mar11.0000-0600

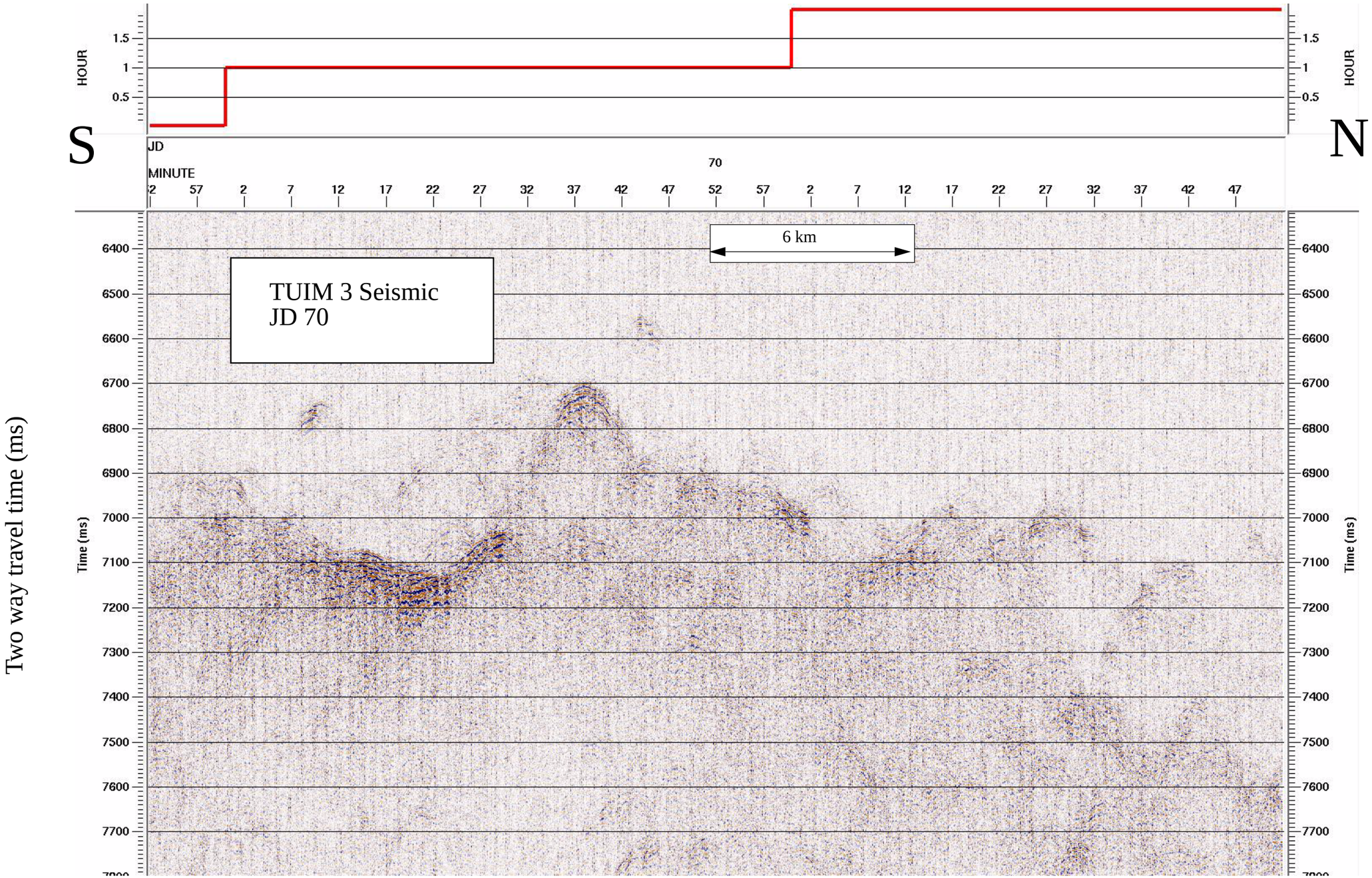


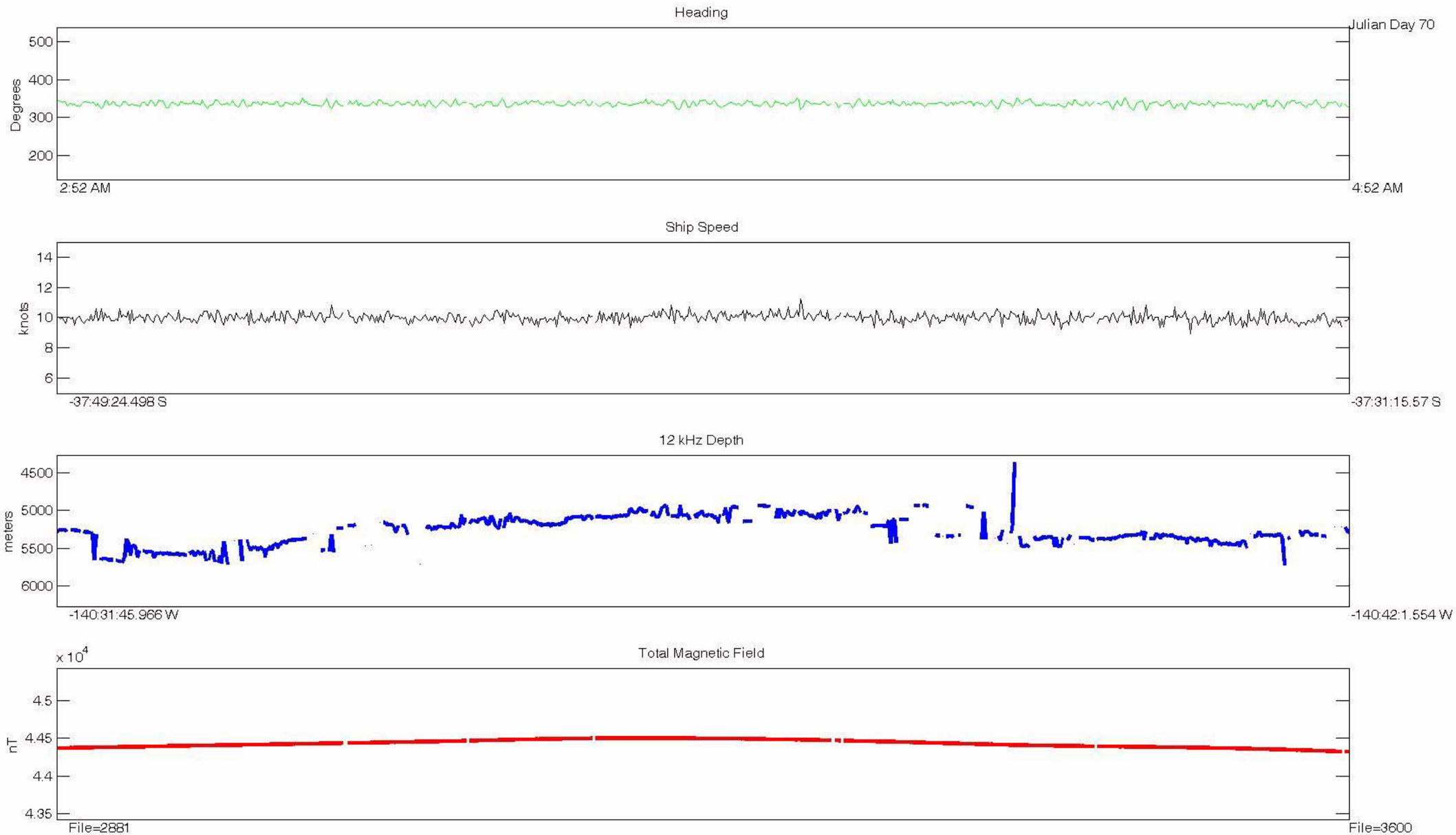

Heading
Julian Day 69
Degrees
400
300
200
100
10:52 PM
12:52 AM
Ship Speed
knots
14
12
10
8
6
-38:23:32.052 S
-38:7:3.204 S
12 kHz Depth
meters
4500
5000
5500
6000
-140:12:21.198 W
-140:21:15.324 W
Total Magnetic Field
x 10^4
nT
4.55
4.5
4.45
4.4
File=1441
File=2160

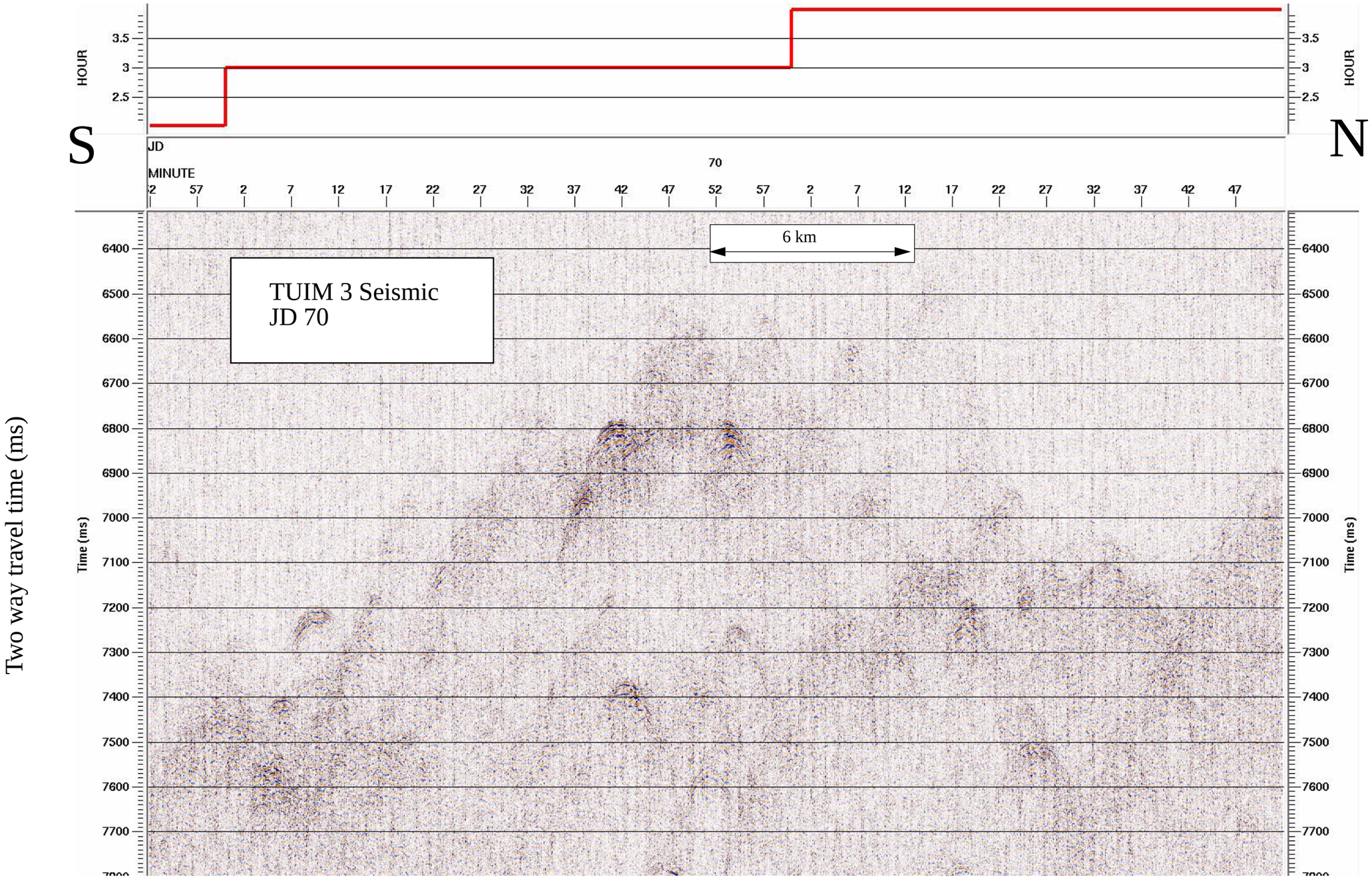


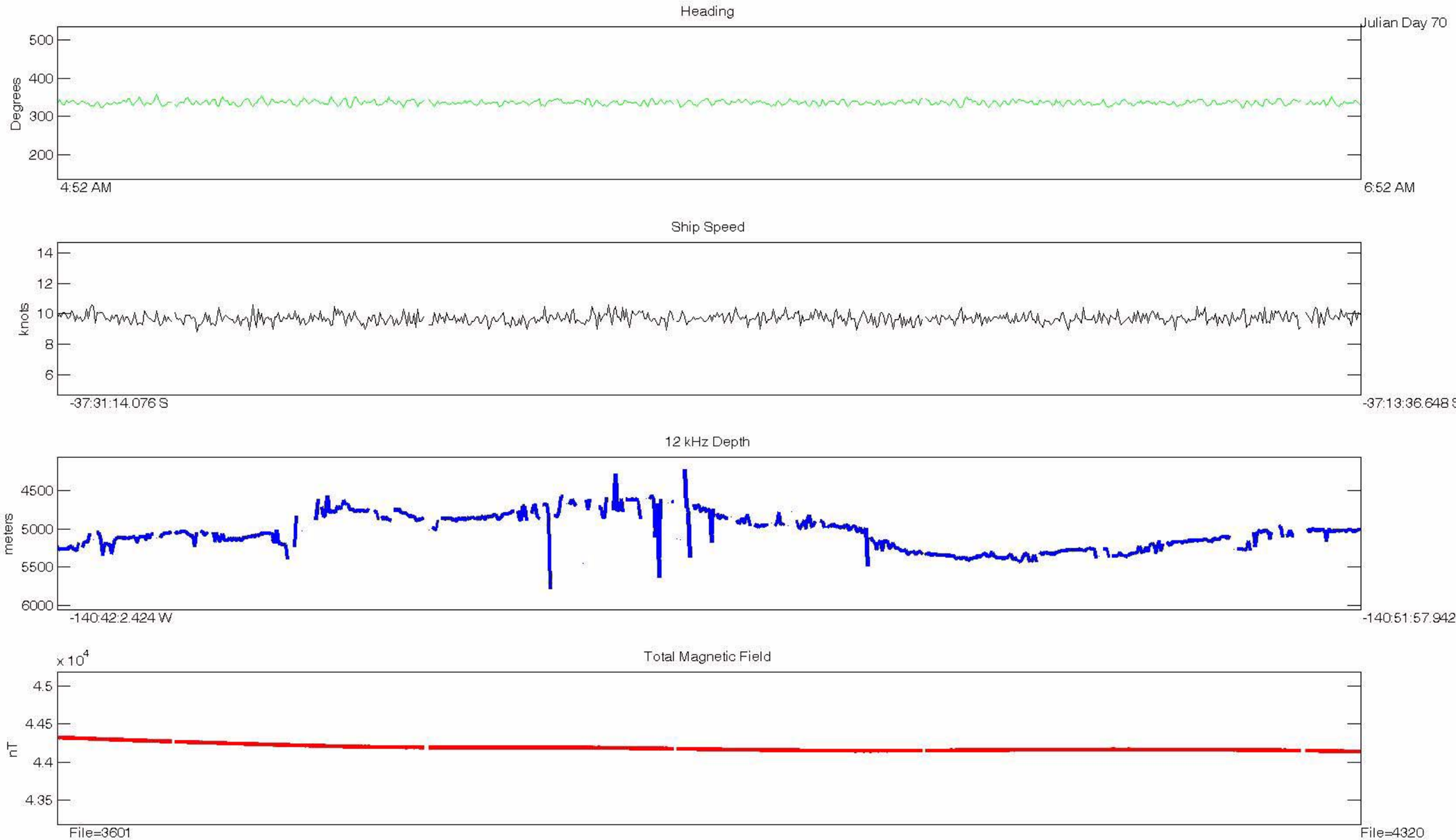
Two way travel time (ms)

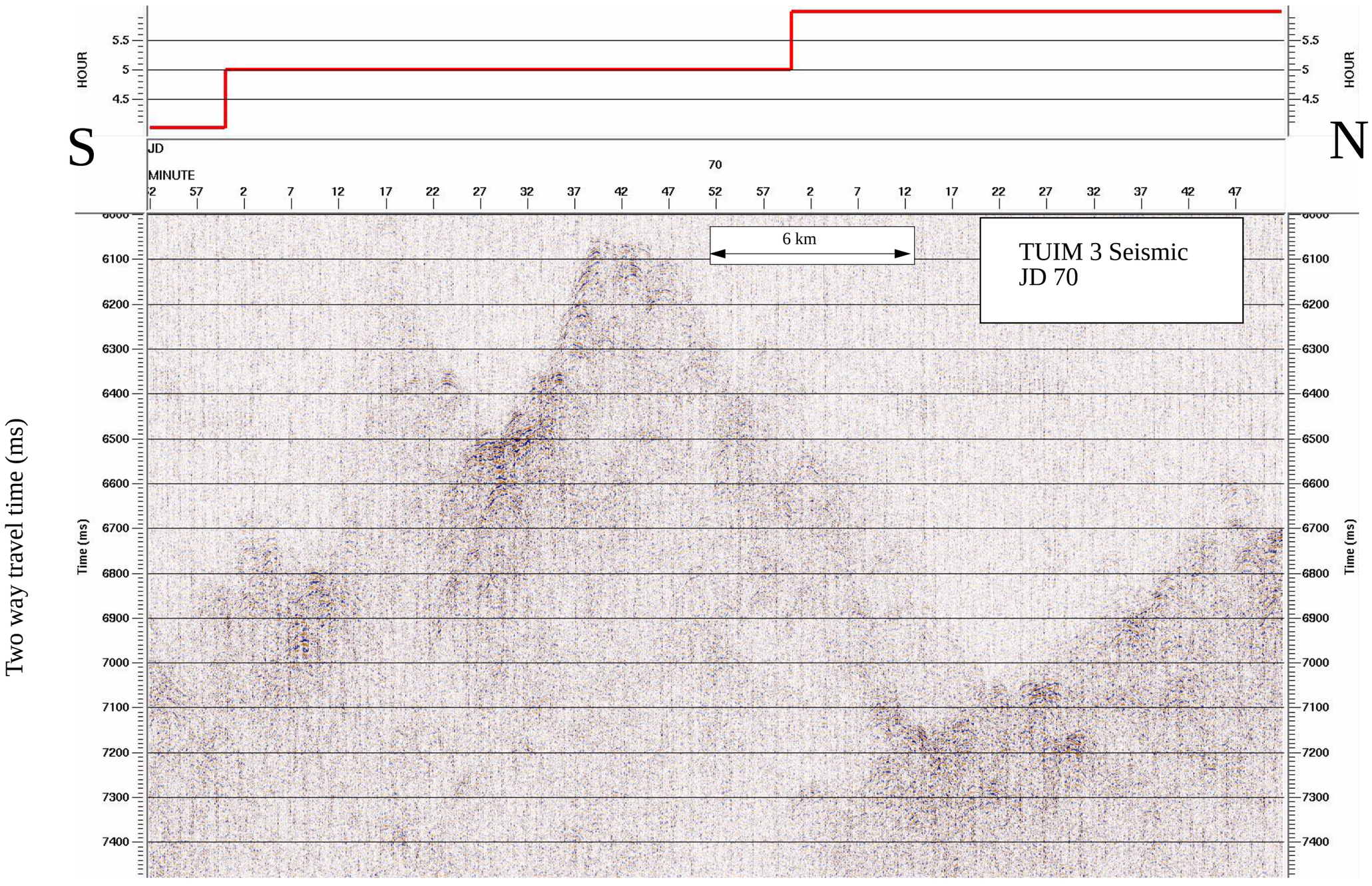

Heading
Julian Day 70
500
400
300
200
Degrees
12:52 AM
2:52 AM
Ship Speed
14
12
10
8
6
knots
-38:7:1.92 S
-37:49:26.022 S
12 kHz Depth
4500
5000
5500
6000
meters
-140:21:16.596 W
-140:31:45.138 W
x 10^4
Total Magnetic Field
4.5
4.45
4.4
4.35
nT
File=2161
File=2880


HOUR
1.5
1
0.5
S
N
JD
70
MINUTE
2 57 2 7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47
6 km
TUIM 3 Seismic
JD 70
Time (ms)
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
Two way travel time (ms)

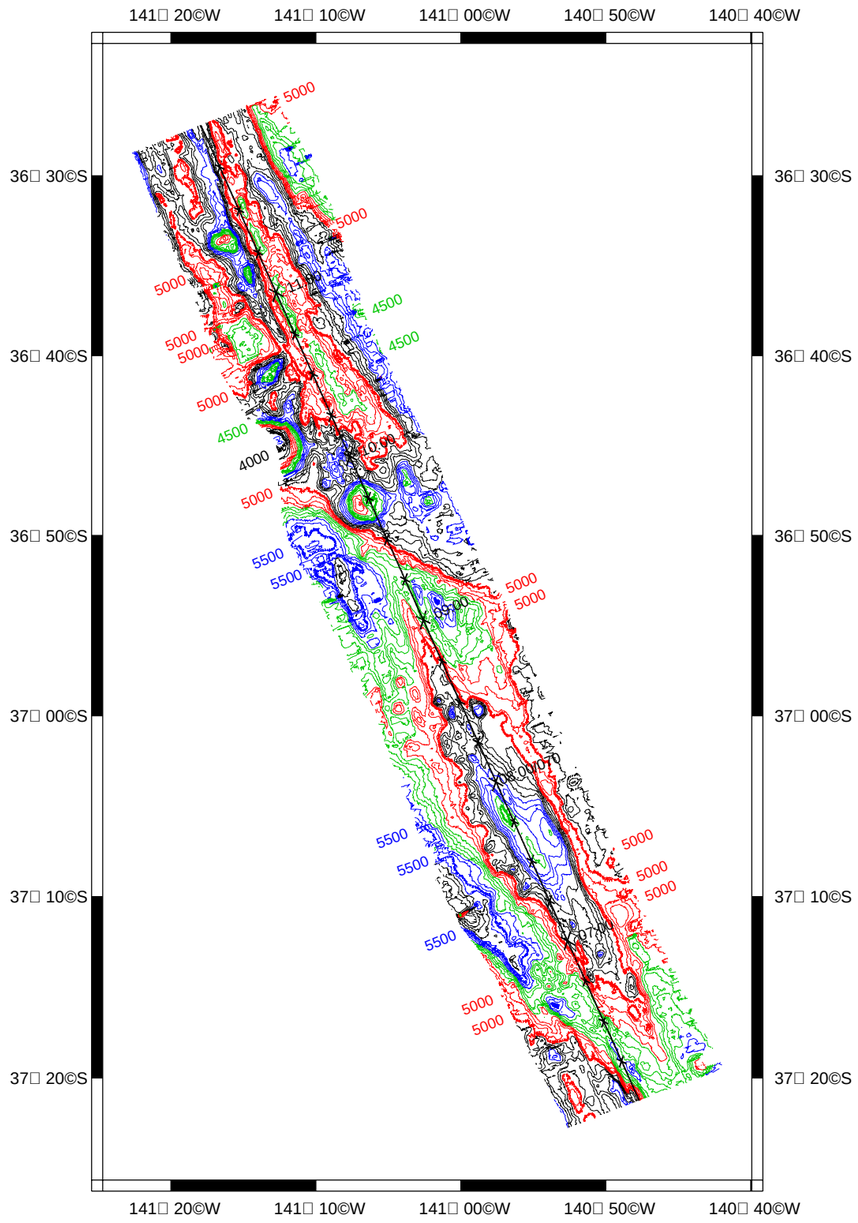

Heading
Julian Day 70
500
400
300
200
Degrees
2:52 AM
4:52 AM
Ship Speed
14
12
10
8
6
knots
-37:49:24.498 S
-37:31:15.57 S
12 kHz Depth
4500
5000
5500
6000
meters
-140:31:45.966 W
-140:42:1.554 W
x 10^4
Total Magnetic Field
4.5
4.45
4.4
4.35
nT
File=2881
File=3600

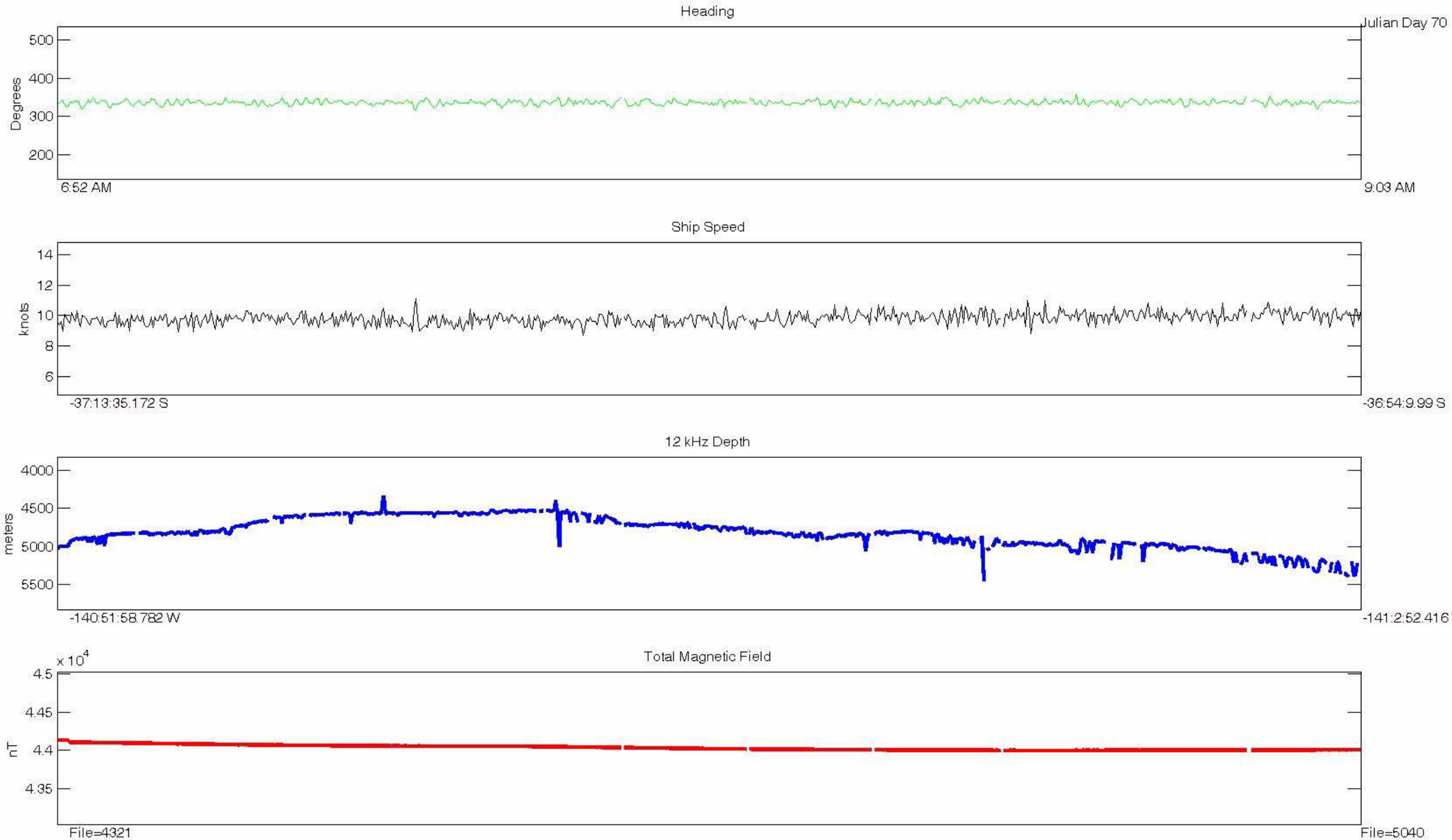

HOUR
3.5
3
2.5
S
N
JD
70
MINUTE
2 57 2 7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47
6 km
TUIM 3 Seismic
JD 70
Time (ms)
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
Two way travel time (ms)

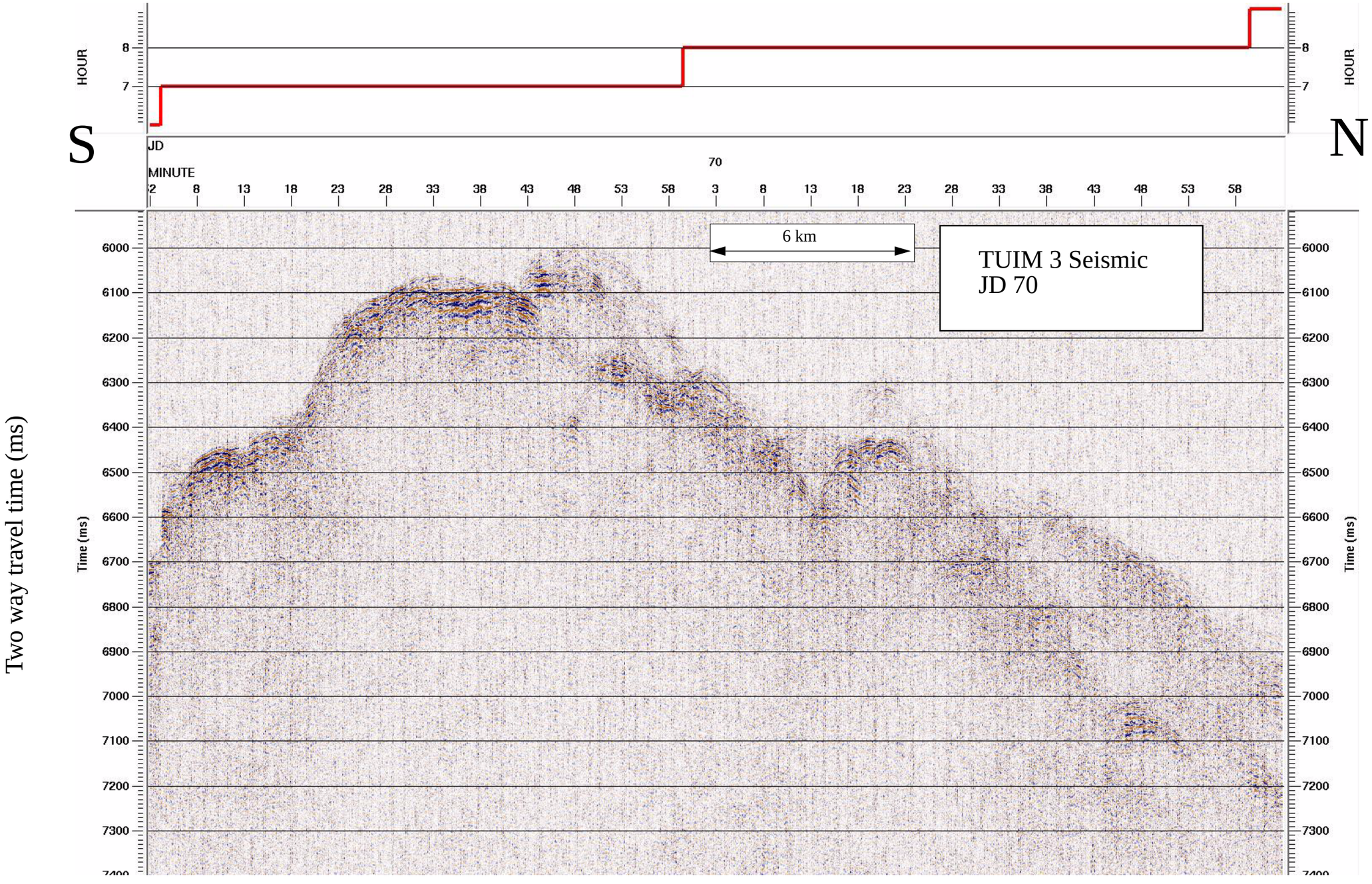

Heading
Julian Day 70
500
400
300
200
Degrees
4:52 AM
6:52 AM
Ship Speed
14
12
10
8
6
knots
-37:31:14.076 S
-37:13:36.648 S
12 kHz Depth
4500
5000
5500
6000
meters
-140:42:2.424 W
-140:51:57.942 W
x 10^4
Total Magnetic Field
4.5
4.45
4.4
4.35
nT
File=3601
File=4320

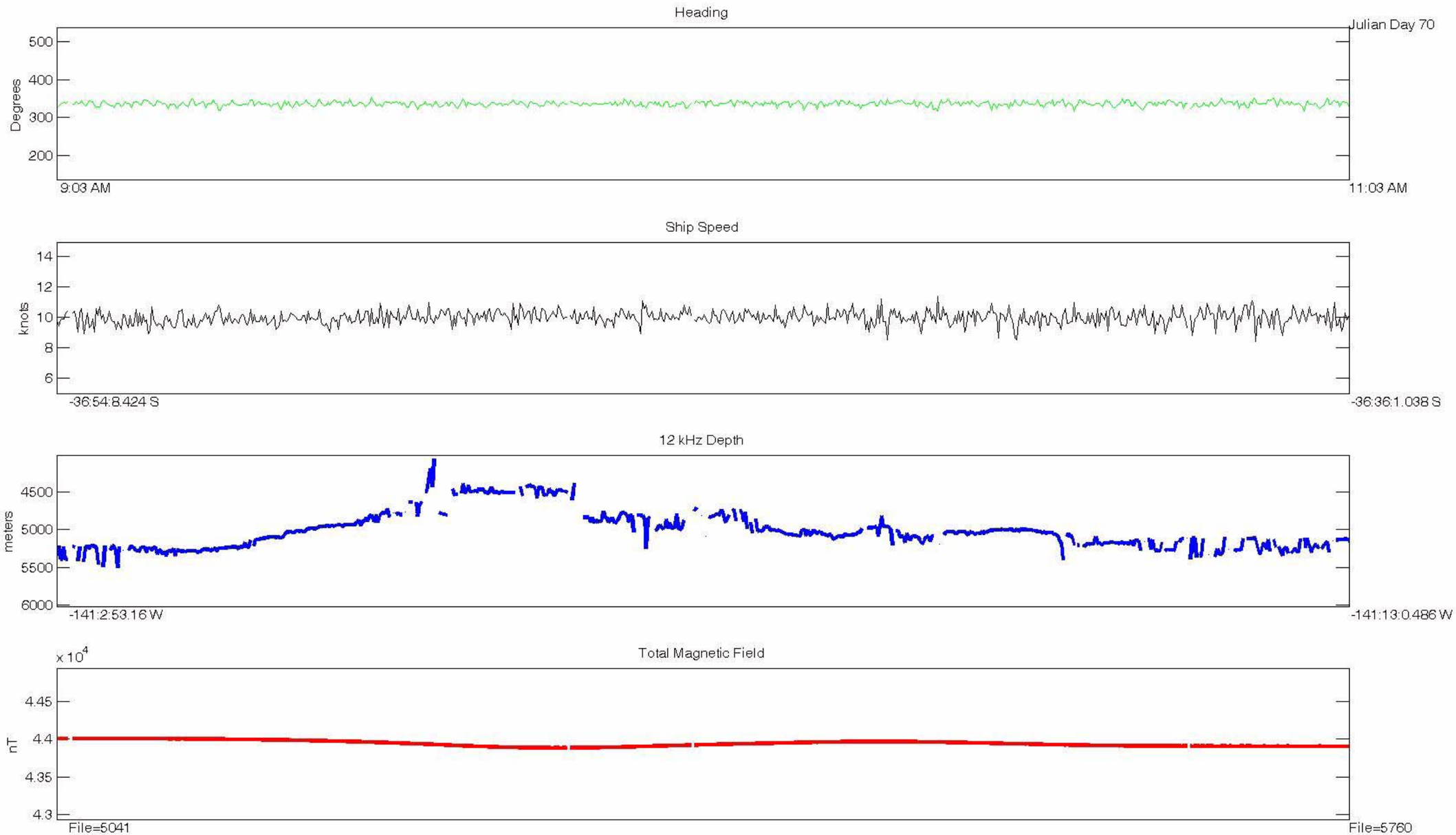

HOUR
5.5
5
4.5
S
N
JD
70
MINUTE
2 57 2 7 12 17 22 27 32 37 42 47 52 57 2 7 12 17 22 27 32 37 42 47
6 km
TUIM 3 Seismic
JD 70
Time (ms)
6100
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
Two way travel time (ms)

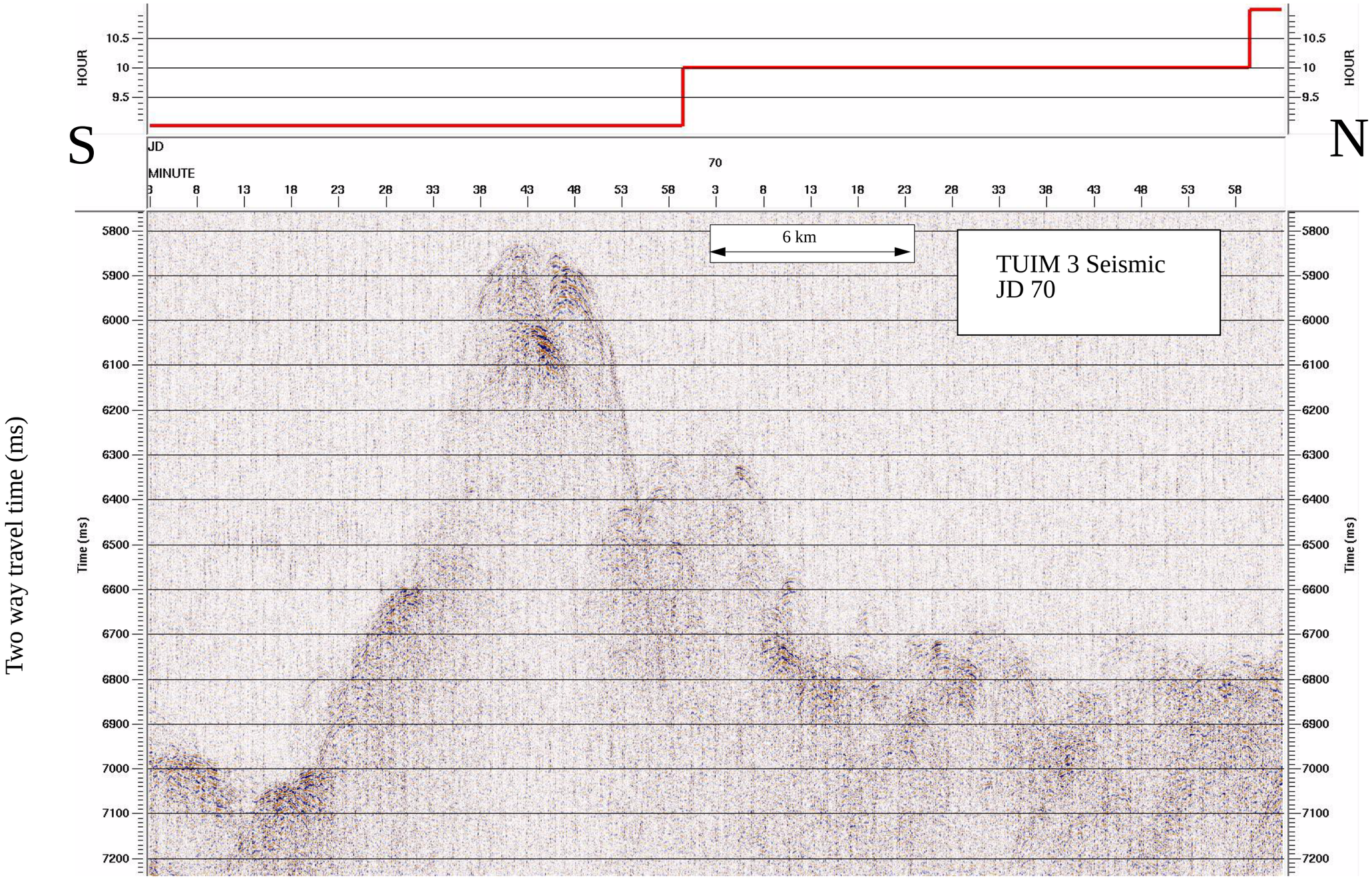
Data File SBfixavg.2005mar11.0600-1200

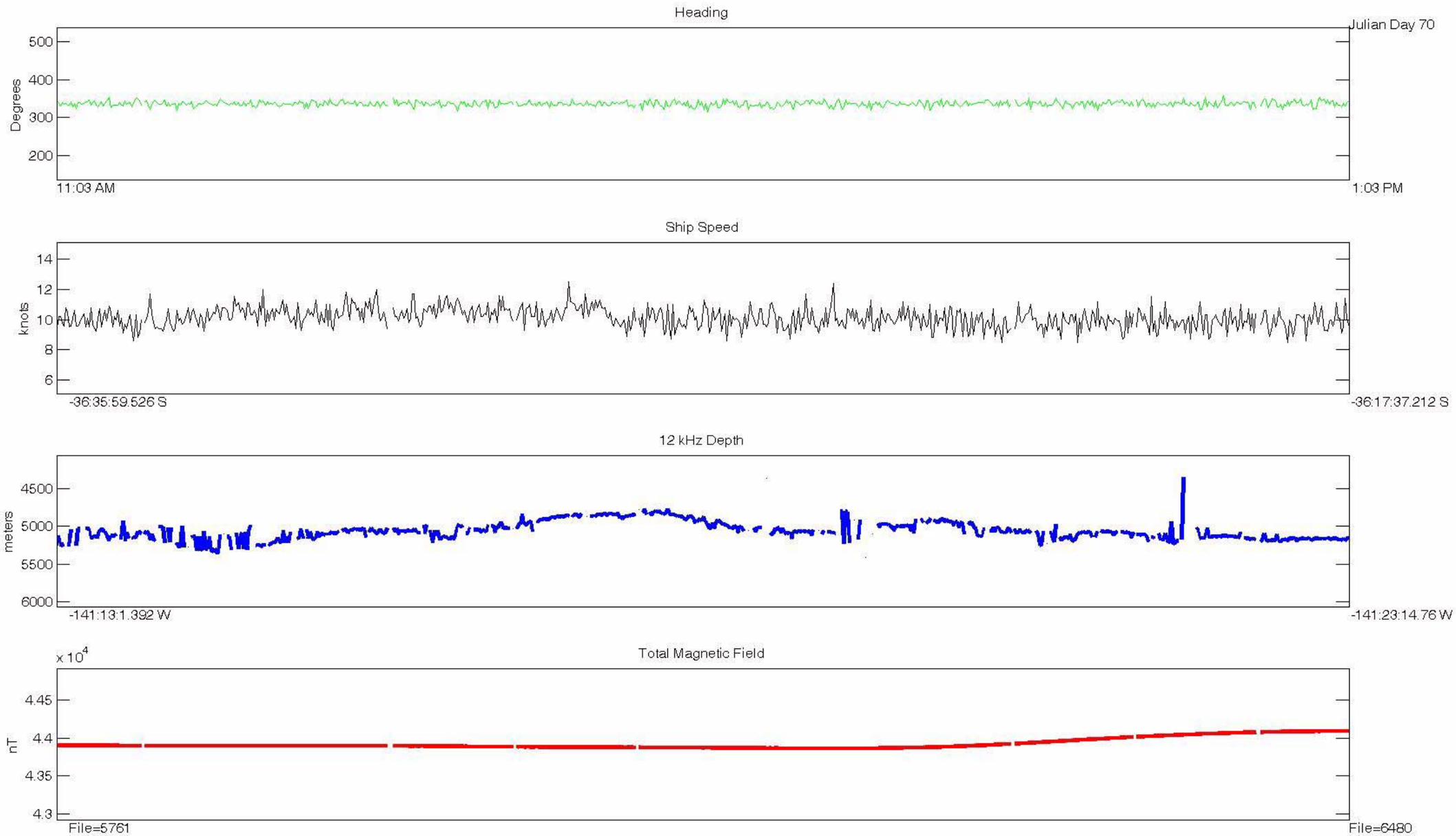


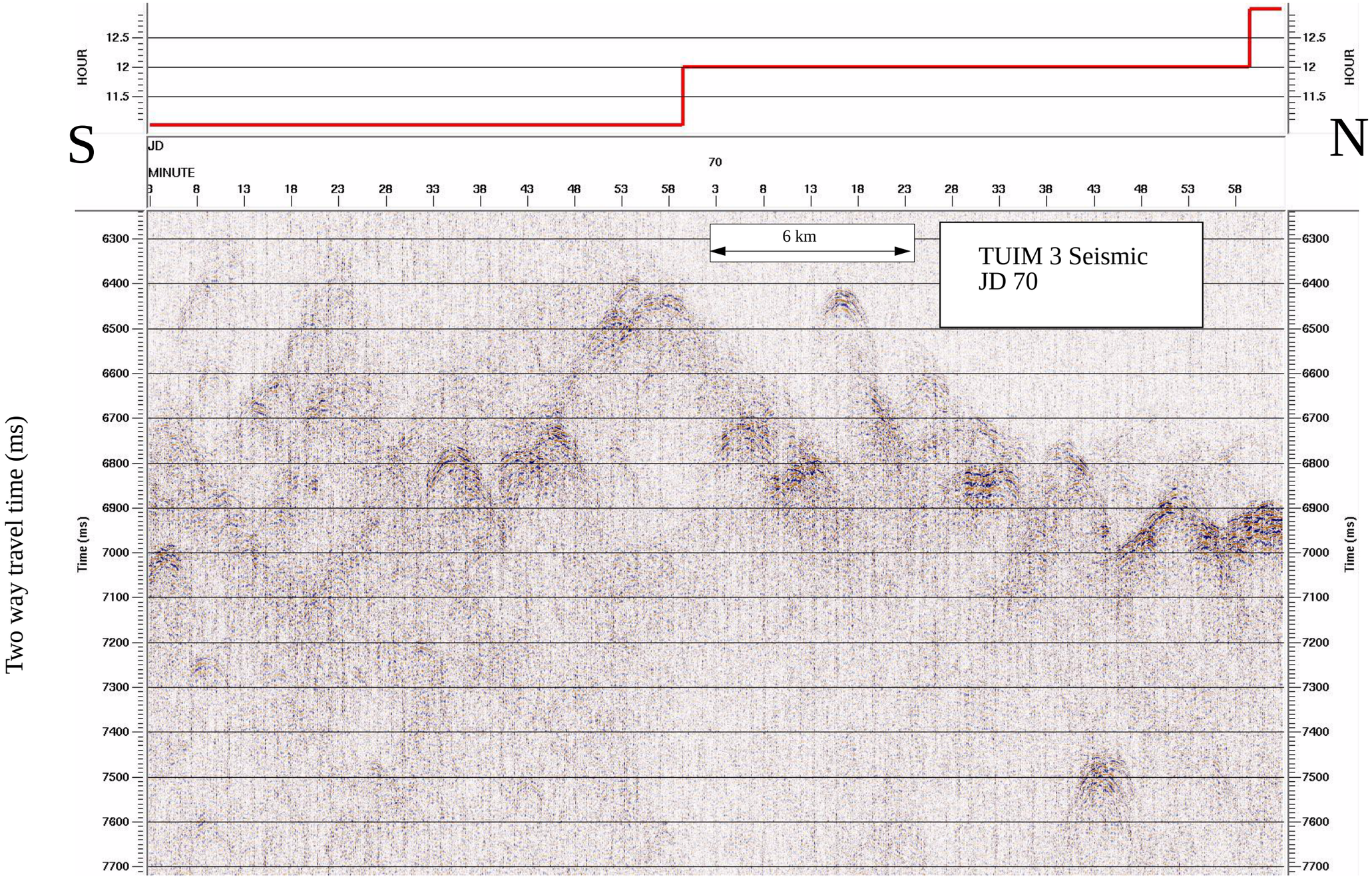

Heading
Julian Day 70
500
400
300
200
Degrees
6:52 AM
9:03 AM
Ship Speed
14
12
10
8
6
knots
-37:13:35.172 S
-36:54:9.99 S
12 kHz Depth
4000
4500
5000
5500
meters
-140:51:58.782 W
-141:2:52.416 W
x 10^4
Total Magnetic Field
4.5
4.45
4.4
4.35
nT
File=4321
File=5040


HOUR
8
7
S
N
JD
70
MINUTE
2 8 13 18 23 28 33 38 43 48 53 58 3 8 13 18 23 28 33 38 43 48 53 58
6 km
TUIM 3 Seismic
JD 70
Time (ms)
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
Two way travel time (ms)

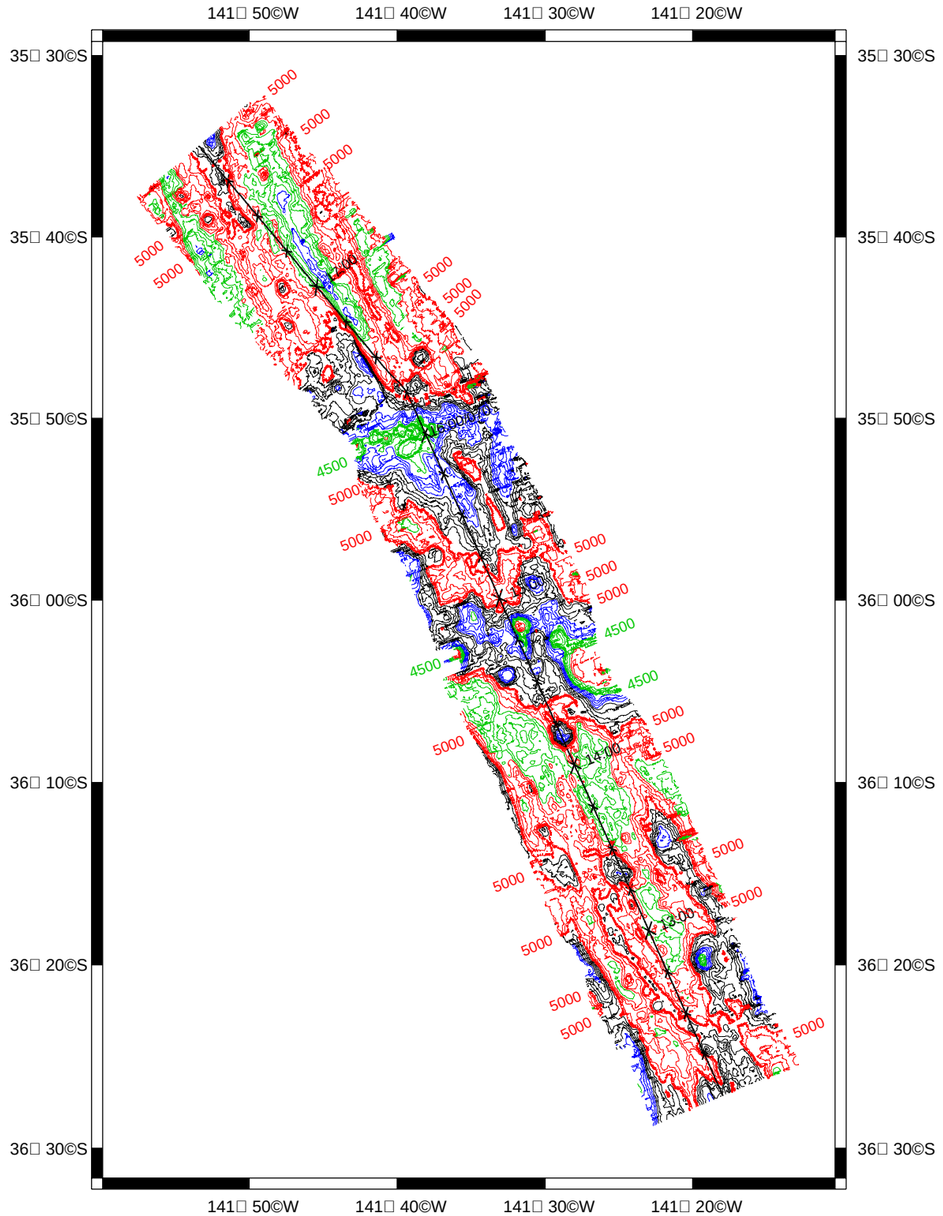

Heading
Julian Day 70
500
400
300
200
Degrees
9:03 AM
11:03 AM
Ship Speed
14
12
10
8
6
knots
-36:54:8.424 S
-36:36:1.038 S
12 kHz Depth
4500
5000
5500
6000
meters
-141:2:53.16 W
-141:13:0.486 W
x 10^4
Total Magnetic Field
4.45
4.4
4.35
4.3
nT
File=5041
File=5760

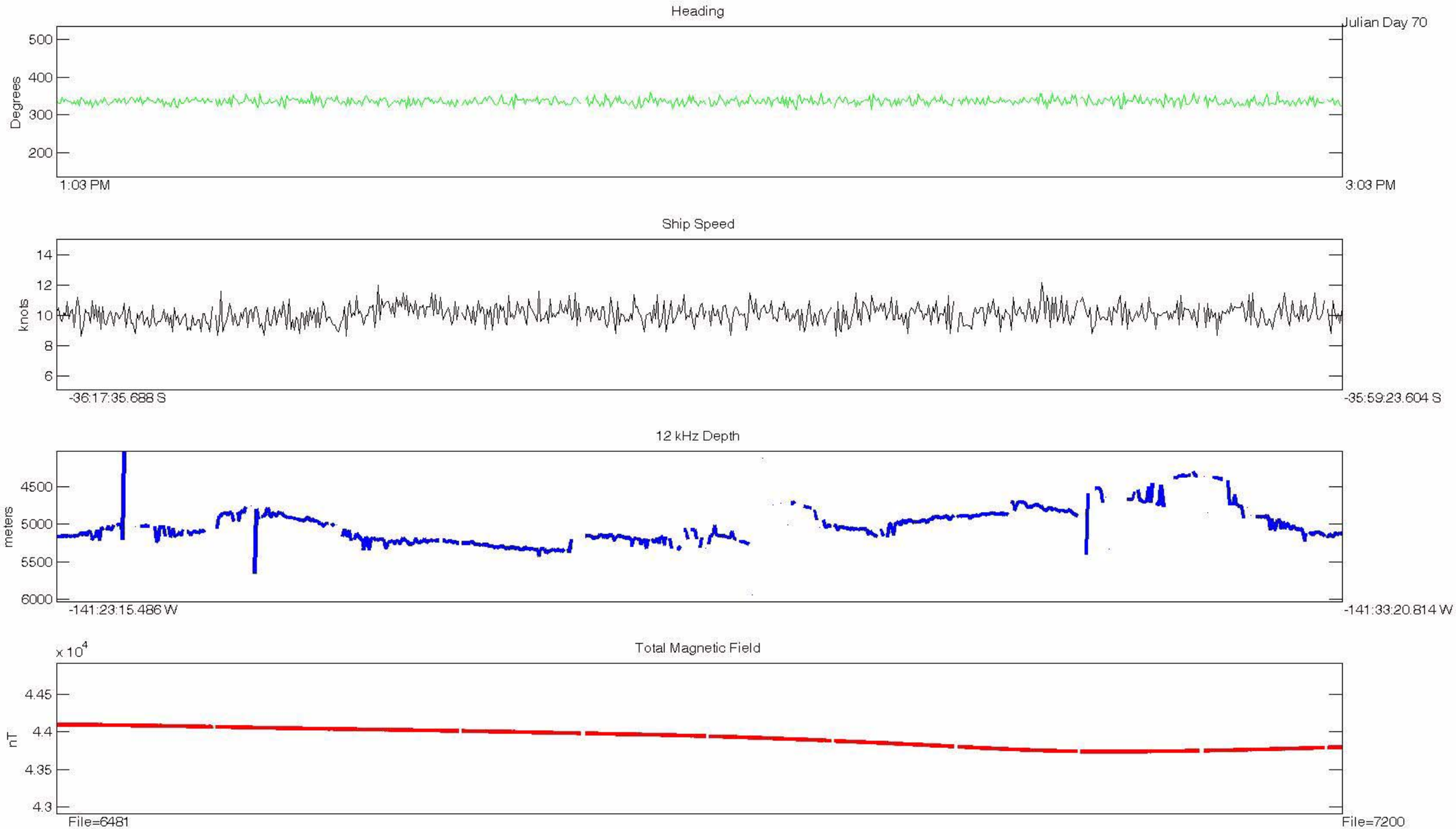

HOUR
10.5
10
9.5
S
N
JD
70
MINUTE
6 km
TUIM 3 Seismic
JD 70
Time (ms)
5800
5900
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
Two way travel time (ms)

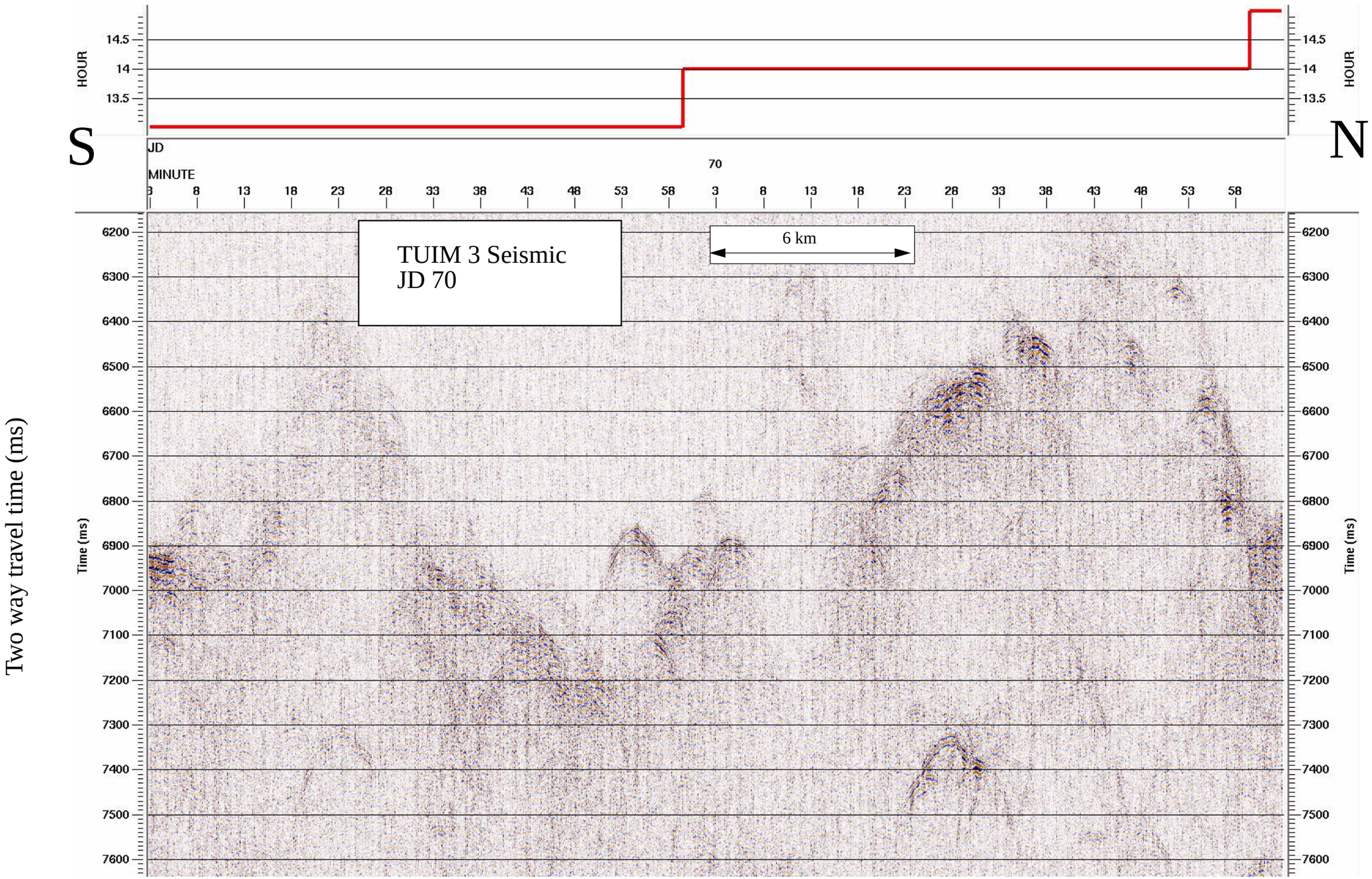

Heading
Julian Day 70
Degrees
500
400
300
200
11:03 AM
1:03 PM
Ship Speed
knots
14
12
10
8
6
-36:35:59.526 S
-36:17:37.212 S
12 kHz Depth
meters
4500
5000
5500
6000
-141:13:1.392 W
-141:23:14.76 W
x 10^4
Total Magnetic Field
nT
4.45
4.4
4.35
4.3
File=5761
File=6480

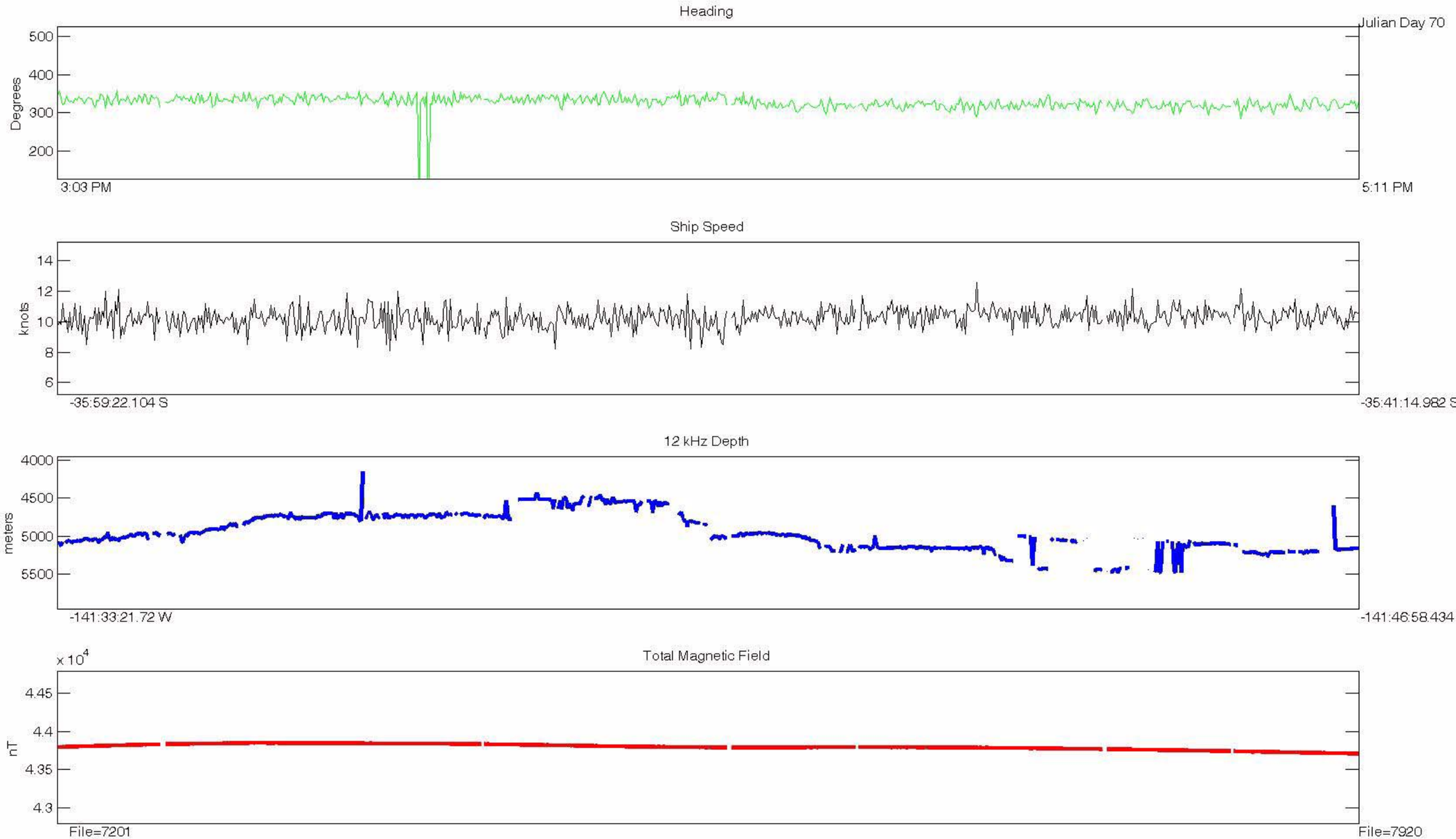

HOUR
12.5
12
11.5
S
N
JD
70
MINUTE
3 8 13 18 23 28 33 38 43 48 53 58 3 8 13 18 23 28 33 38 43 48 53 58
6 km
TUIM 3 Seismic
JD 70
Time (ms)
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
7700
Two way travel time (ms)

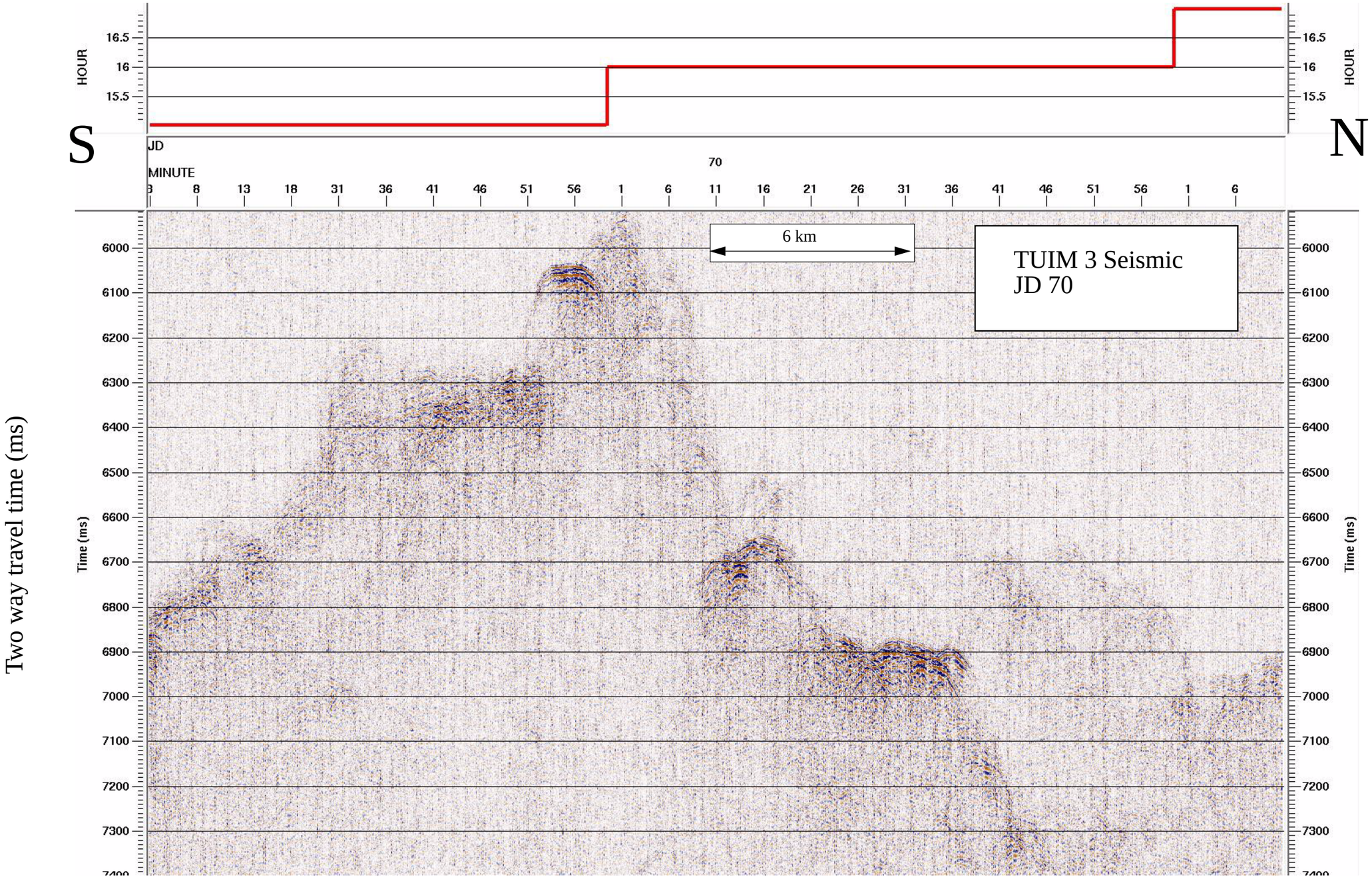
Data File SBfixavg.2005mar11.1200-1800



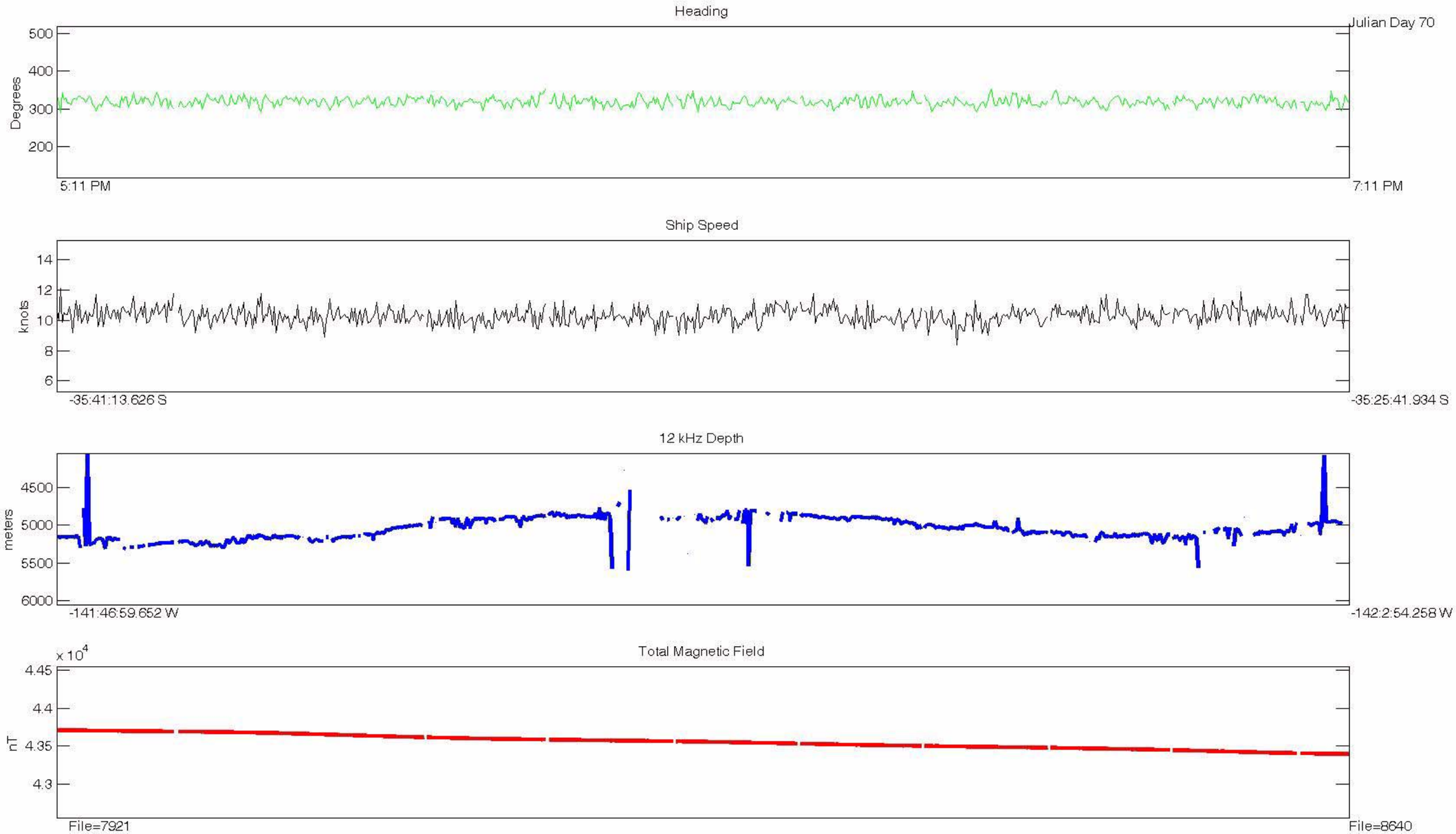

Heading
Julian Day 70
Degrees
500
400
300
200
1:03 PM
3:03 PM
Ship Speed
knots
14
12
10
8
6
-36:17:35.688 S
-35:59:23.604 S
12 kHz Depth
meters
4500
5000
5500
6000
-141:23:15.486 W
-141:33:20.814 W
Total Magnetic Field
x 10^4
nT
4.45
4.4
4.35
4.3
File=6481
File=7200

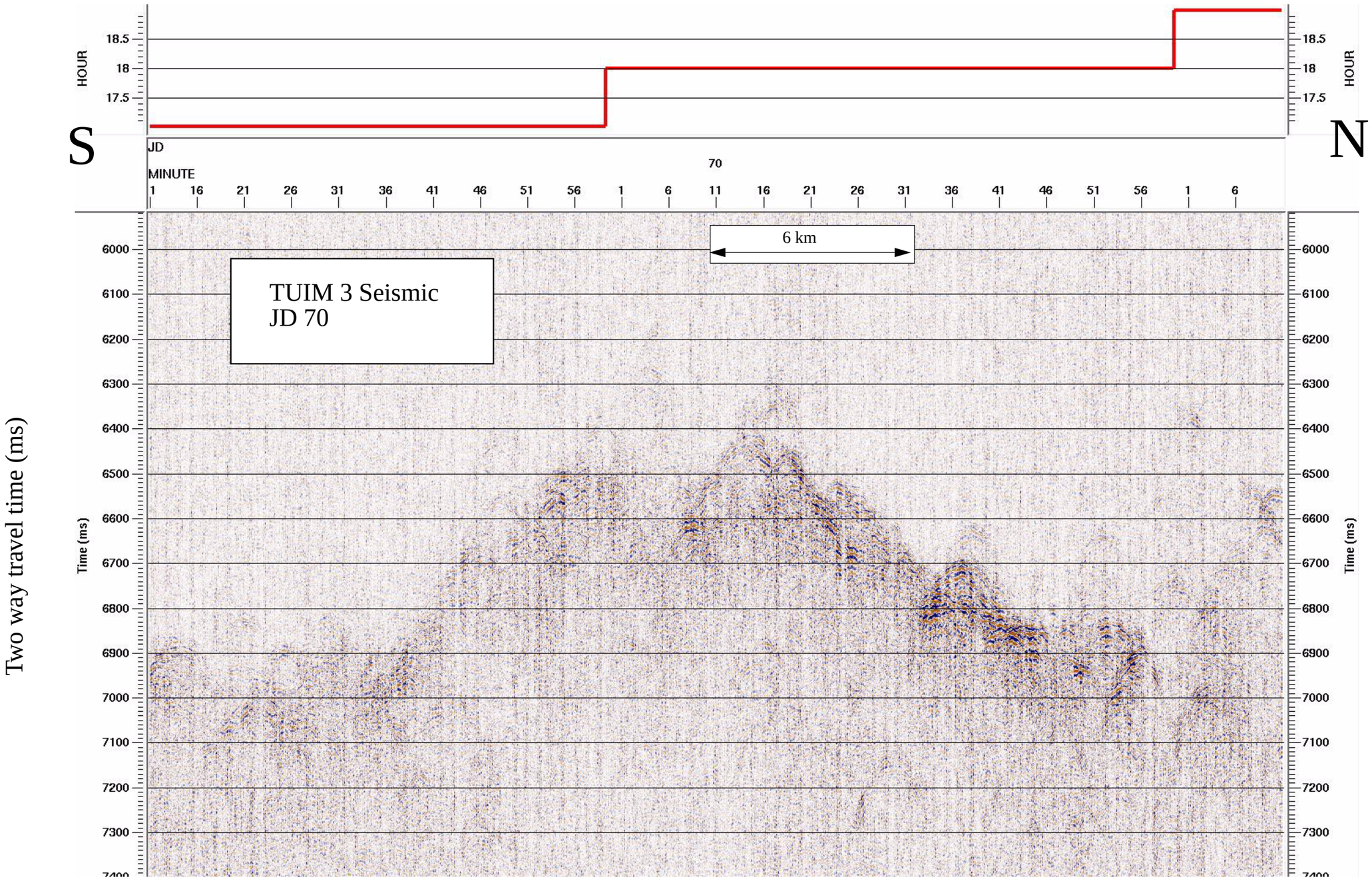

HOUR
14.5
14
13.5
S
N
JD
70
MINUTE
3 8 13 18 23 28 33 38 43 48 53 58 3 8 13 18 23 28 33 38 43 48 53 58
TUIM 3 Seismic
JD 70
6 km
Time (ms)
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
7400
7500
7600
Two way travel time (ms)


Heading
Julian Day 70
Degrees
500
400
300
200
3:03 PM
5:11 PM
Ship Speed
knots
14
12
10
8
6
-35:59:22.104 S
-35:41:14.982 S
12 kHz Depth
meters
4000
4500
5000
5500
-141:33:21.72 W
-141:46:58.434 W
x 10^4
Total Magnetic Field
nT
4.45
4.4
4.35
4.3
File=7201
File=7920

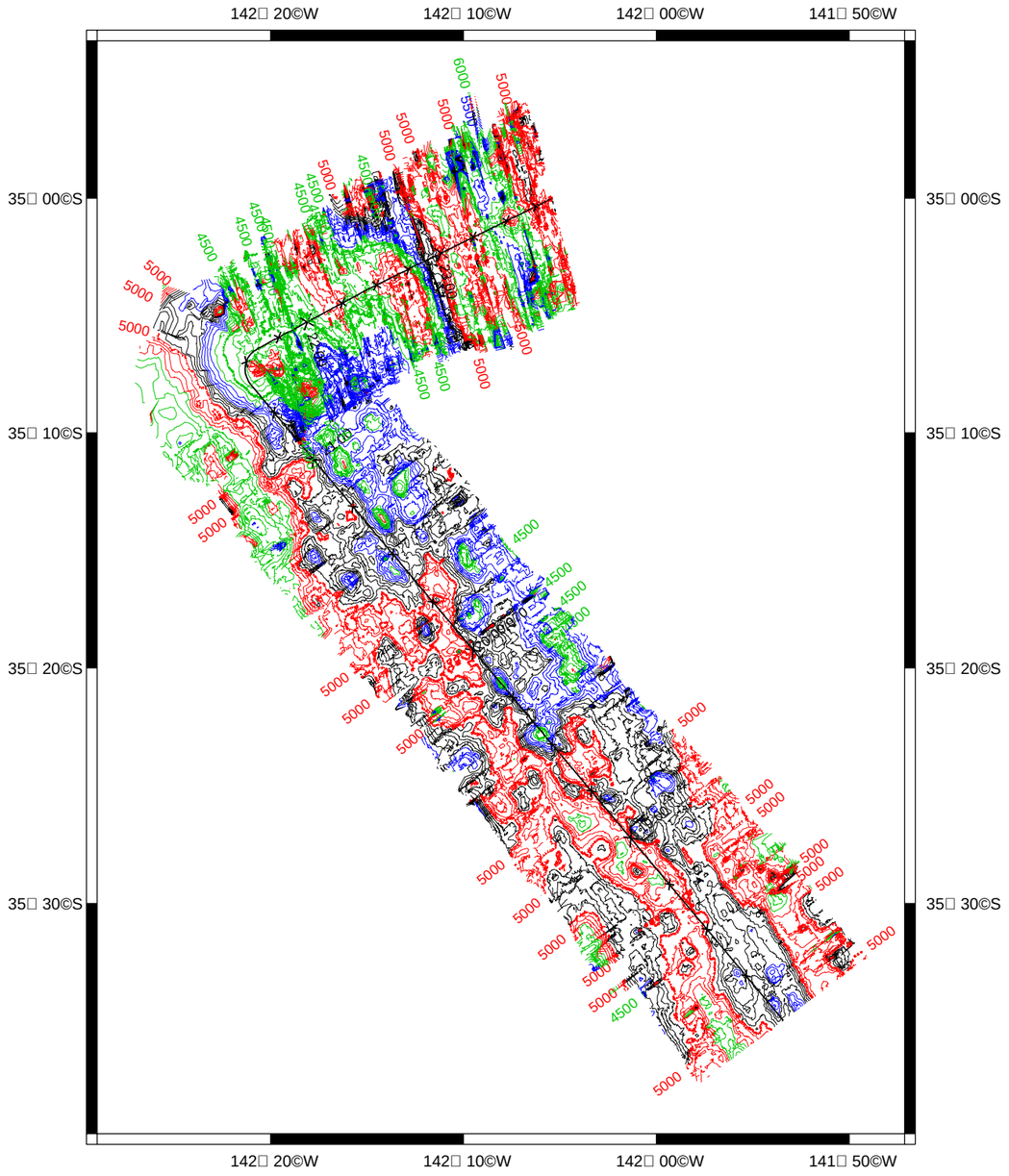


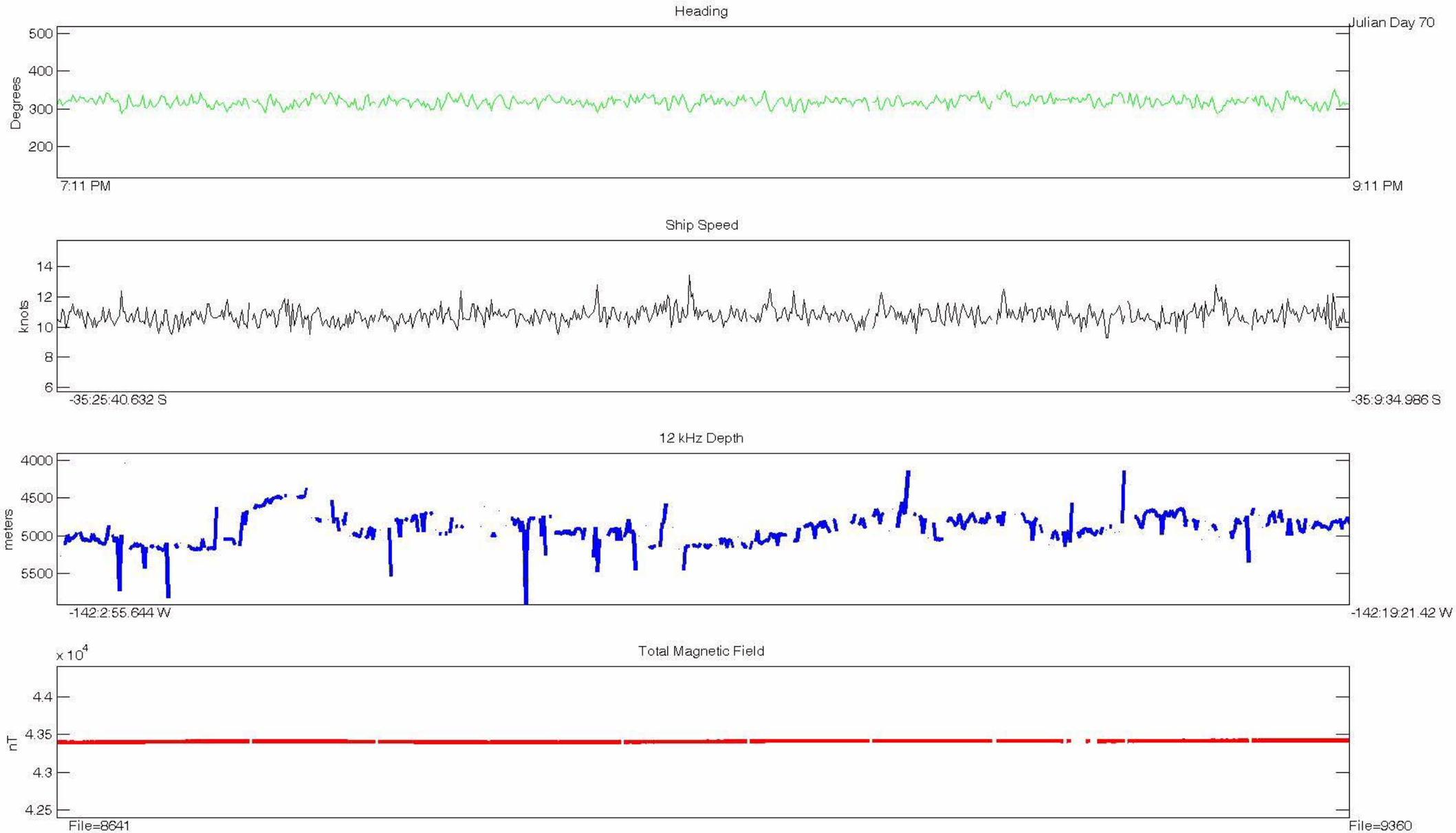
Two way travel time (ms)

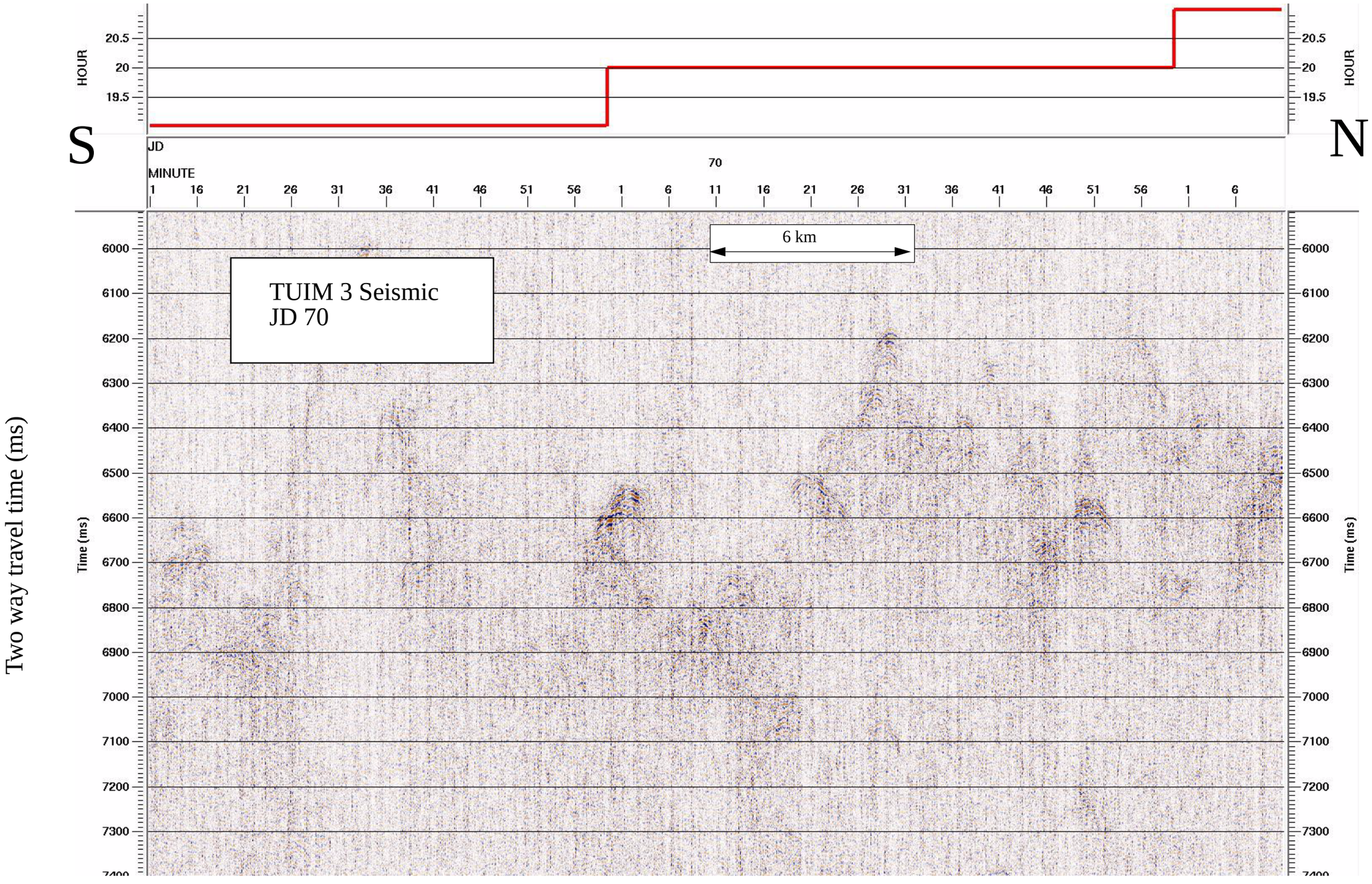

Heading
Julian Day 70
Degrees
500
400
300
200
5:11 PM
7:11 PM
Ship Speed
knots
14
12
10
8
6
-35:41:13.626 S
-35:25:41.934 S
12 kHz Depth
meters
4500
5000
5500
6000
-141:46:59.652 W
-142:2:54.258 W
Total Magnetic Field
x 10^4
nT
4.45
4.4
4.35
4.3
File=7921
File=8640

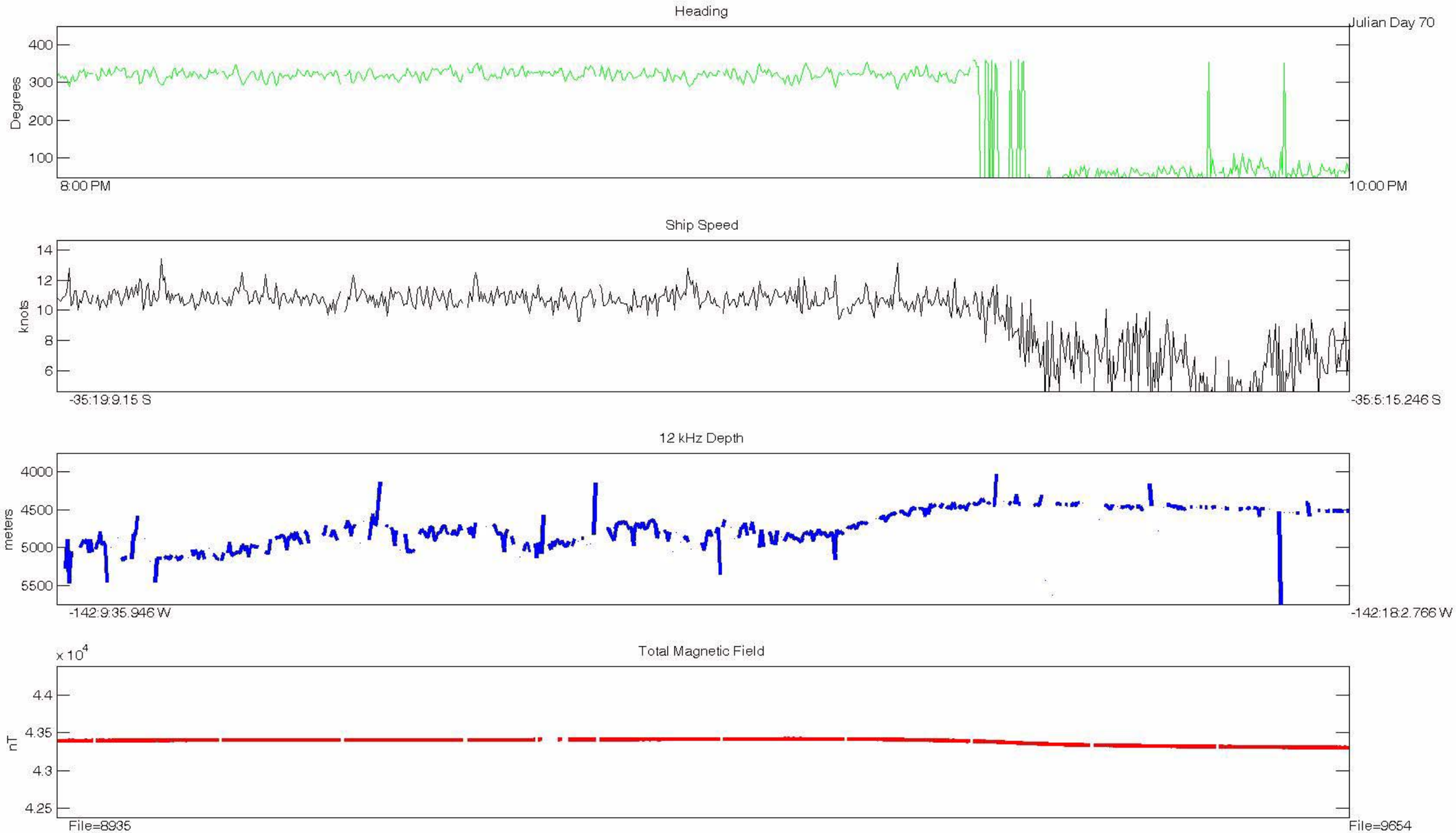

HOUR
18.5
18
17.5
S
N
JD
70
MINUTE
1 16 21 26 31 36 41 46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6
6 km
TUIM 3 Seismic
JD 70
Time (ms)
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
Two way travel time (ms)

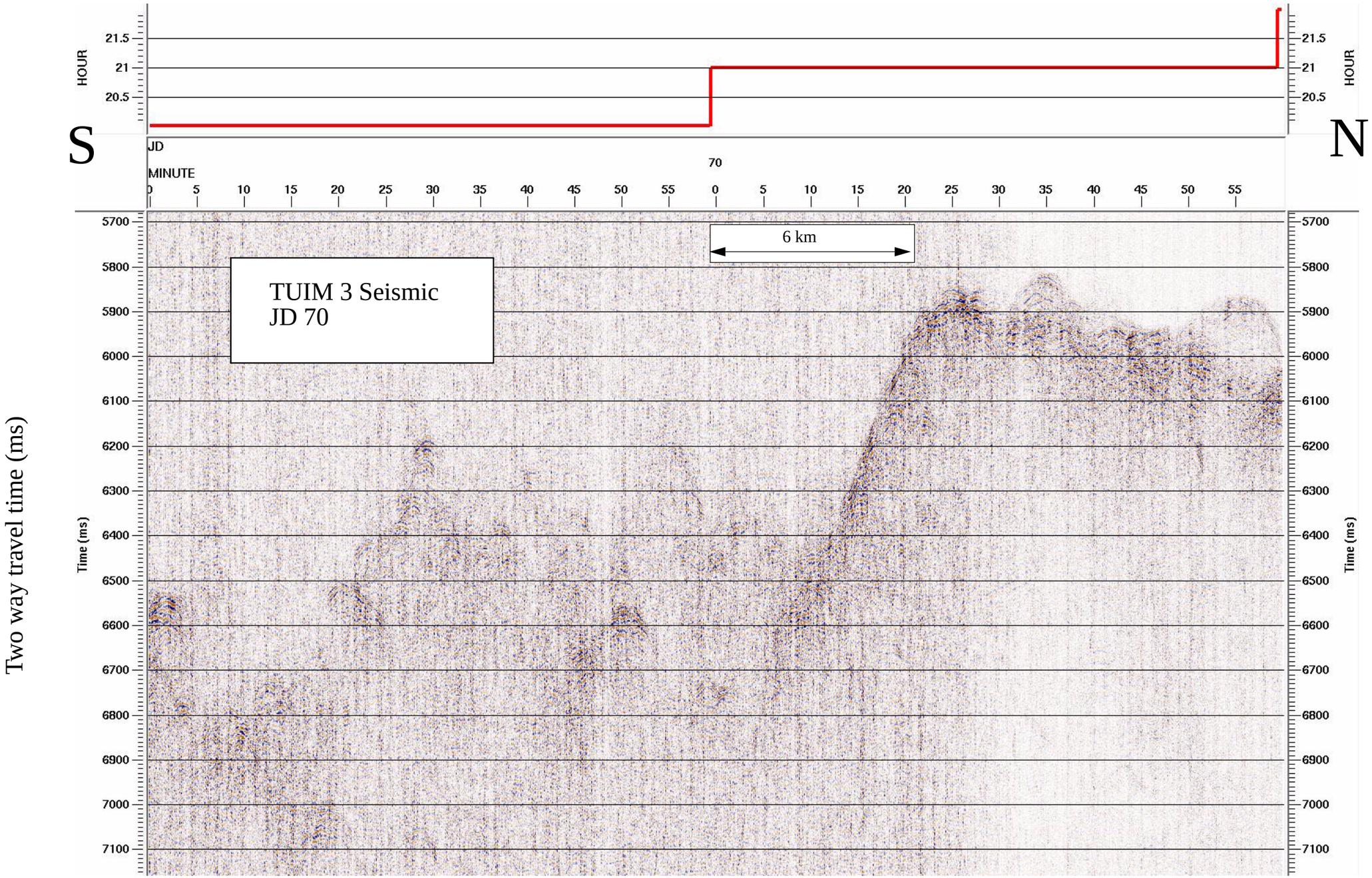
Data File SBfixavg.2005mar11.1800-2400




Heading
Julian Day 70
Degrees
500
400
300
200
7:11 PM
9:11 PM
Ship Speed
knots
14
12
10
8
6
-35:25:40.632 S
-35:9:34.986 S
12 kHz Depth
meters
4000
4500
5000
5500
-142:2:55.644 W
-142:19:21.42 W
Total Magnetic Field
x 10^4
nT
4.4
4.35
4.3
4.25
File=8641
File=9360


HOUR
20.5
20
19.5
S
N
JD
70
MINUTE
1 16 21 26 31 36 41 46 51 56 1 6 11 16 21 26 31 36 41 46 51 56 1 6
6 km
TUIM 3 Seismic
JD 70
Time (ms)
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
7200
7300
Two way travel time (ms)


Heading
Julian Day 70
Degrees
400
300
200
100
8:00 PM
10:00 PM
Ship Speed
knots
14
12
10
8
6
-35:19:9.15 S
-35:5:15.246 S
12 kHz Depth
meters
4000
4500
5000
5500
-142:9:35.946 W
-142:18:2.766 W
x 10^4
Total Magnetic Field
nT
4.4
4.35
4.3
4.25
File=8935
File=9654


HOUR
21.5
21
20.5
S
N
JD
70
MINUTE
0 5 10 15 20 25 30 35 40 45 50 55 0 5 10 15 20 25 30 35 40 45 50 55
6 km
TUIM 3 Seismic
JD 70
Time (ms)
5700
5800
5900
6000
6100
6200
6300
6400
6500
6600
6700
6800
6900
7000
7100
Two way travel time (ms)