

2006 Fynmeet Sea Clutter Measurement Trial

Dataset Overview for 03-Aug-2006

Dr PL Herselman

2006 Fynmeet Sea Clutter Measurement Trial : Dataset Overview for 03-Aug-2006

by Dr PL Herselman

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This document provides an overview for the datasets (or subset thereof) recorded on 03-Aug-2006 as part of the Fynmeet Sea Clutter Measurement Trial conducted at the Overberg Test Range at Arniston, South Africa. The trial was conducted over the period from 18 July to 4 August 2006. These datasets have been stored in structured Mathworks Matlab (*.mat) files and will be made available to research institutes or universities upon request. For more information contact Dr PL Herselman at pherselman@csir.co.za.

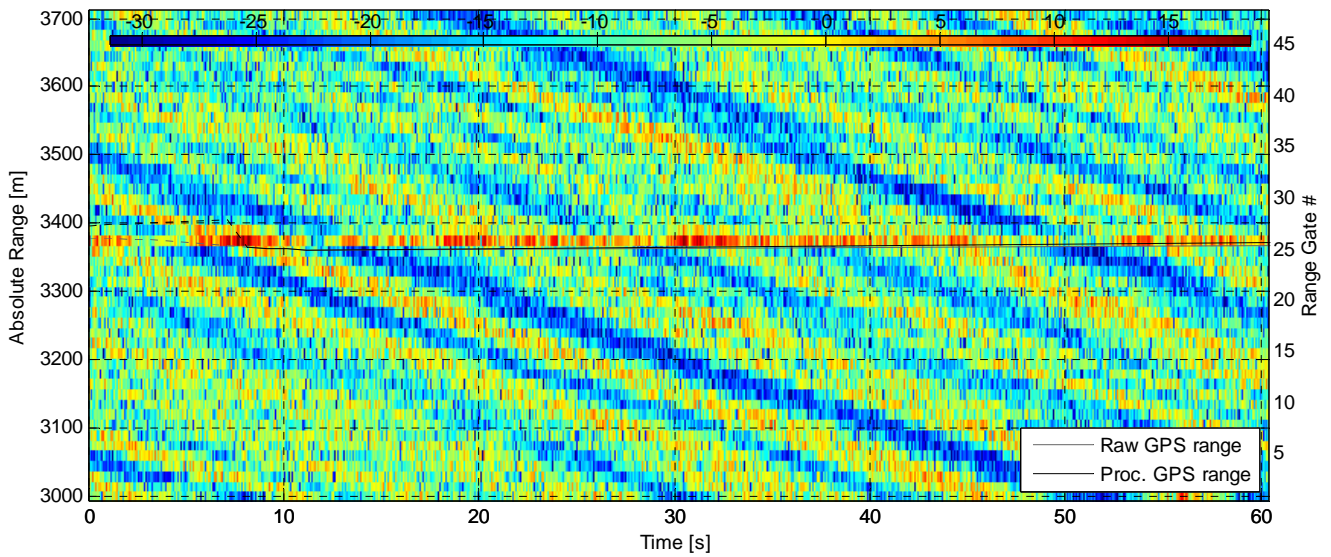
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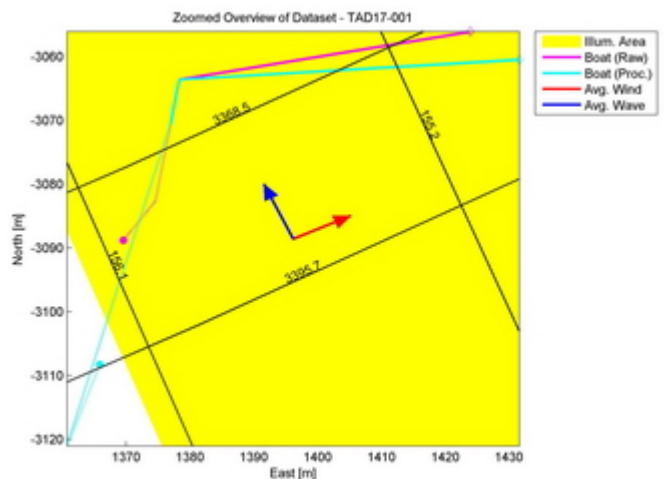
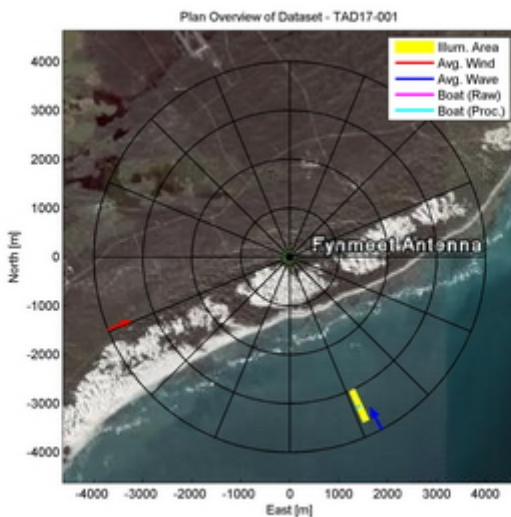
Dataset TAD17-001

RCS [dBm²] vs. time and range for $f_1 = 9.000$ GHz - TAD17-001

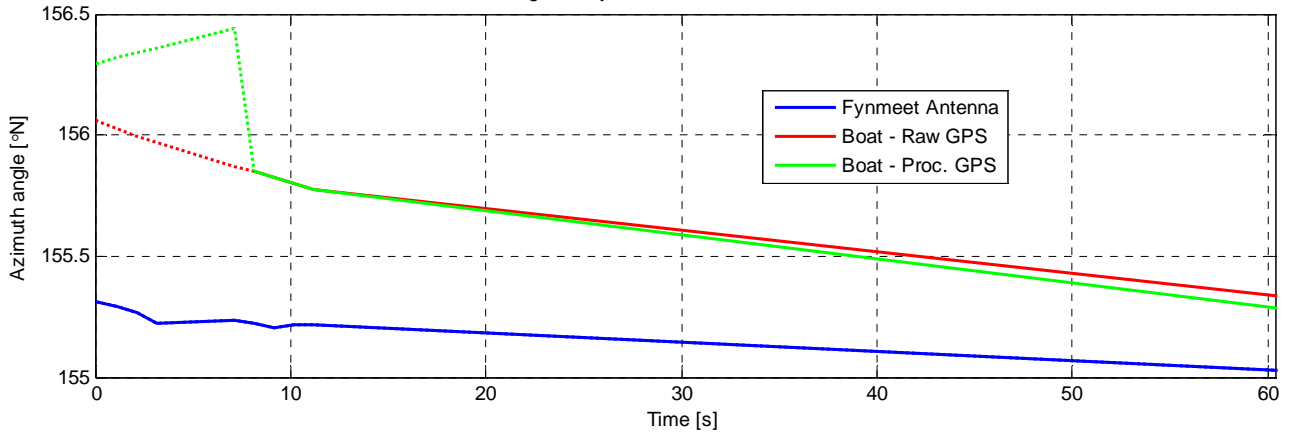


Experiment Summary	Value	Radar Setup	Value
Type	Target	Tx Frequency	9.125 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	12:40:14.846	Tracking Range	3000.94 m
Duration	301920 PRI's (60.3838 s)	Range Extend	720 m (48 gates), 15 m res.
Original File	PF060803.015	Waveform Type	Frequency Agile
Original Path	\20060803_ifs_paul	Waveform Bandwidth	250 MHz
Processor Version	FMSCP Ver 01.22	Waveform File	SC_FAW1_15m.txt

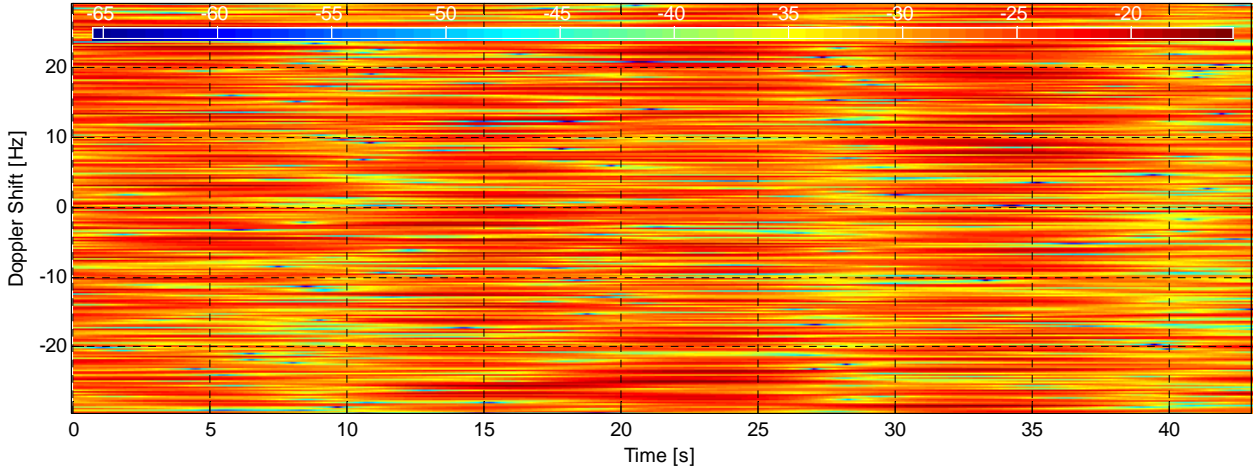
Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	16.3 kts, 248.1 deg. N	Grazing Angle	1.02 - 1.27 deg.	Odd Gates Offset	Bypassed
Wind Gust	26 kts, 252 deg. N	Antenna Azm.	155.1 deg. N	Even Gates Offset	Bypassed
8hr Avg. Wind	10.7 kts, 253.8 deg. N	Antenna Elv.	-1.066 - -0.5713 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.29 m, 152.4 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Available	Calibr. Coeff.	190.5 - 193.6 dB



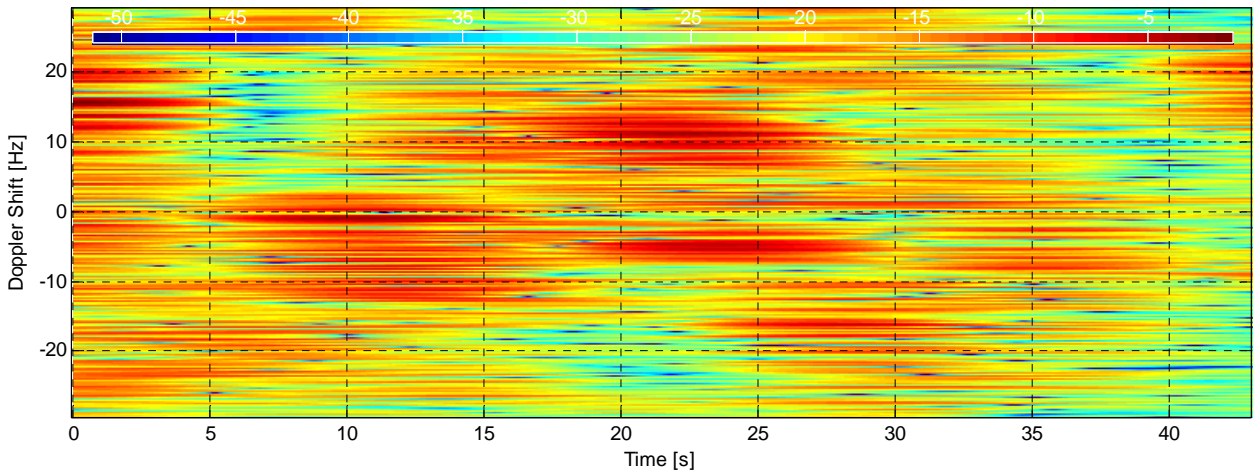
Azimuth Angle for Fynmeet Antenna and Boat - TAD17-001



RCS [dBm².Hz⁻¹] at range 3135.9928 m (gate 10) for f₁ = 9.000 GHz - TAD17-001

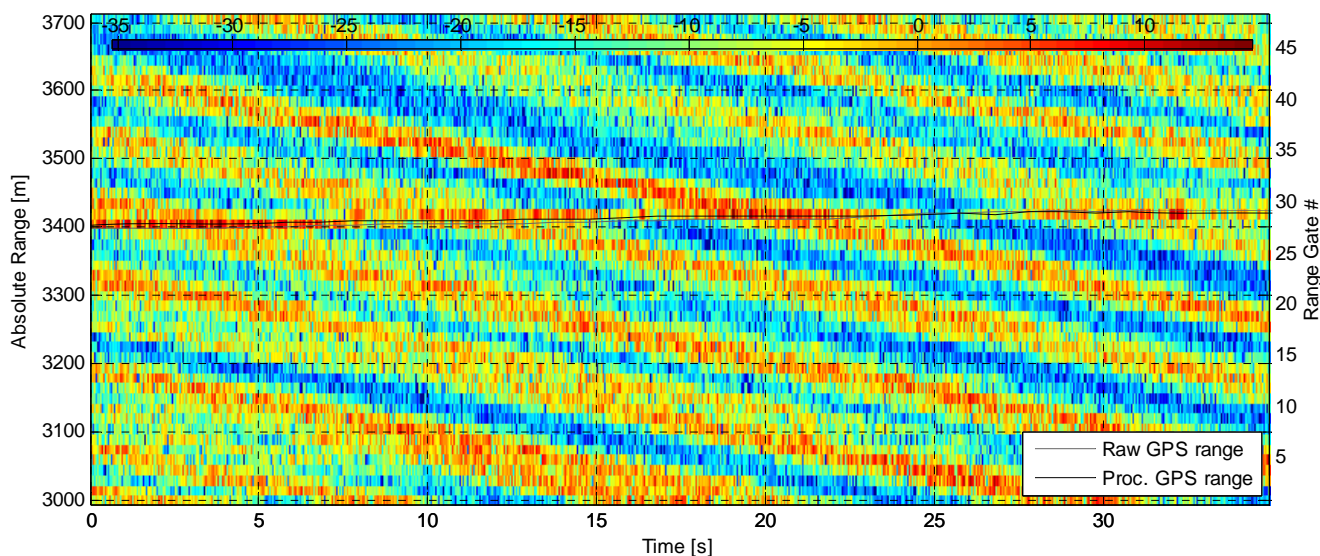


RCS [dBm².Hz⁻¹] at range 3375.9928 m (gate 26) for f₁ = 9.000 GHz - TAD17-001



Dataset TAD17-002

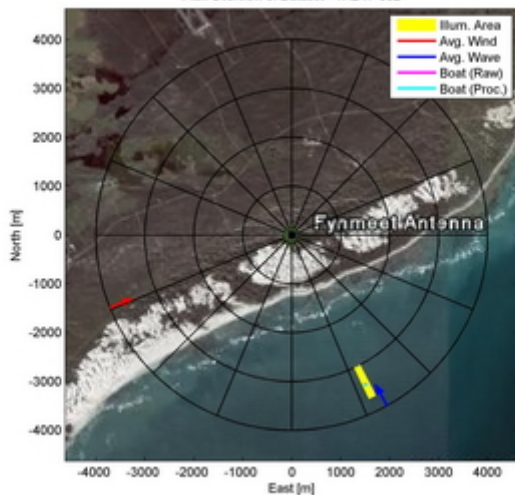
RCS [dBm²] vs. time and range for $f_1 = 9.000$ GHz - TAD17-002



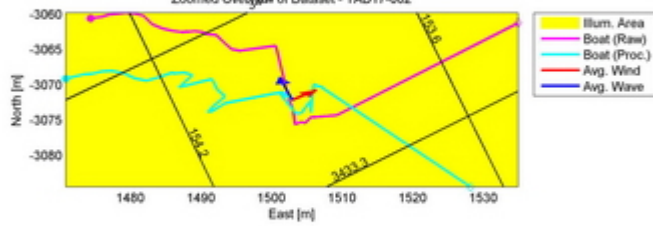
Experiment Summary	Value	Radar Setup	Value
Type	Target	Tx Frequency	9.125 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	12:42:39.229	Tracking Range	3000.94 m
Duration	174675 PRI's (34.9348 s)	Range Extend	720 m (48 gates), 15 m res.
Original File	PF060803.016	Waveform Type	Frequency Agile
Original Path	\\20060803_ifs_paul	Waveform Bandwidth	250 MHz
Processor Version	FMSCP Ver 01.22	Waveform File	SC_FAW1_15m.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	16.3 kts, 248.1 deg. N	Grazing Angle	1.02 - 1.27 deg.	Odd Gates Offset	0.81809-3.1457i
Wind Gust	26 kts, 252 deg. N	Antenna Azm.	153.3 - 153.9 deg. N	Even Gates Offset	-0.29178+1.6548i
8hr Avg. Wind	10.8 kts, 253.9 deg. N	Antenna Elv.	-0.9366 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.3 m, 151.4 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Available	Calibr. Coeff.	190.5 - 193.6 dB

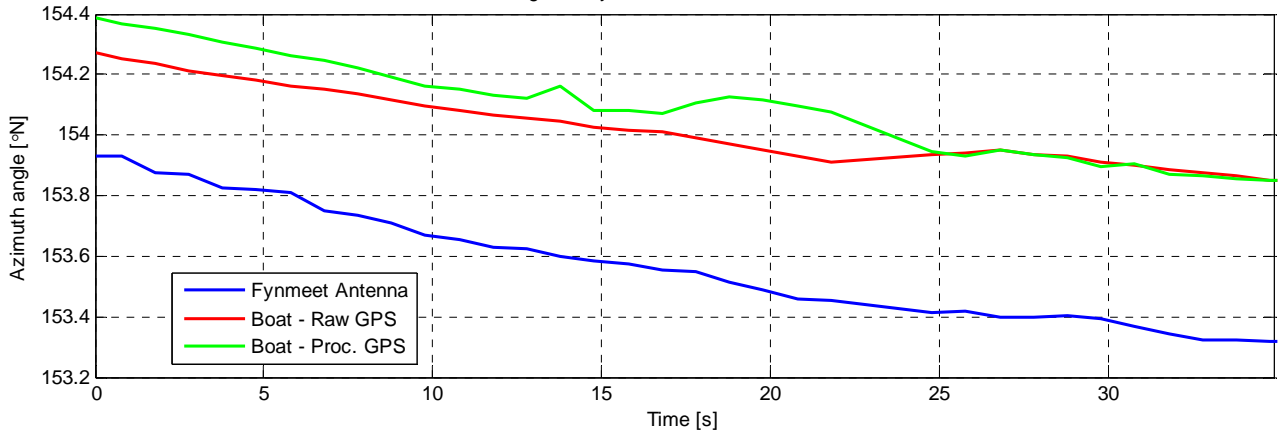
Plan Overview of Dataset - TAD17-002



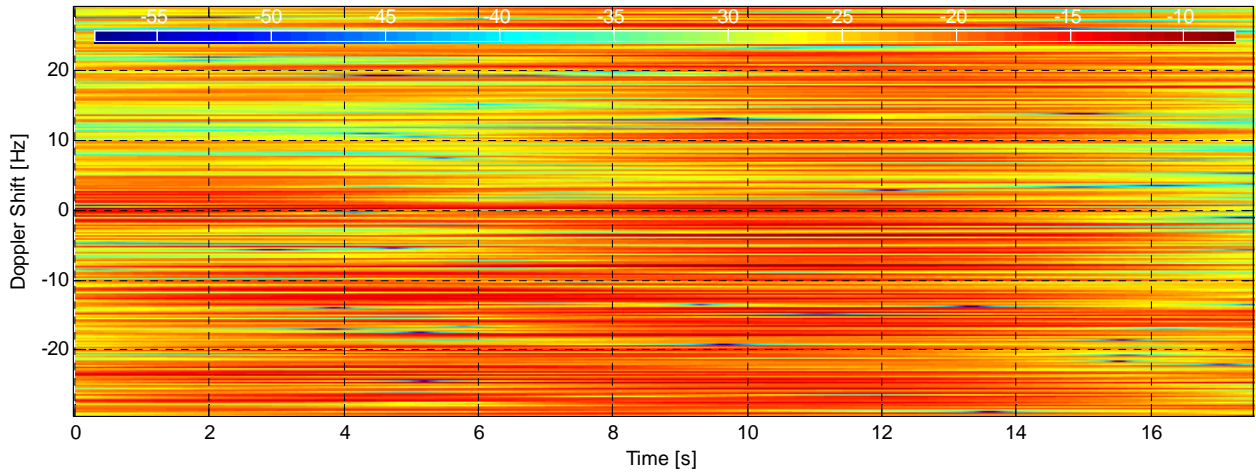
Zoomed Overview of Dataset - TAD17-002



Azimuth Angle for Fynmeet Antenna and Boat - TAD17-002

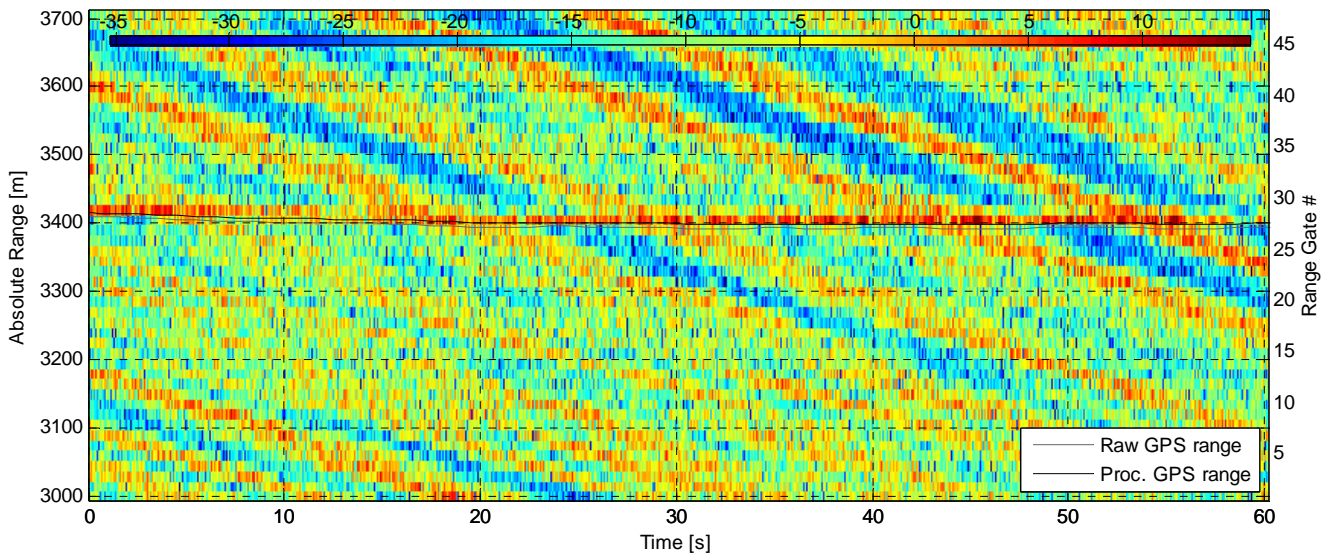


RCS [dBm².Hz⁻¹] at range 3420.9375 m (gate 29) for f₁ = 9.000 GHz - TAD17-002



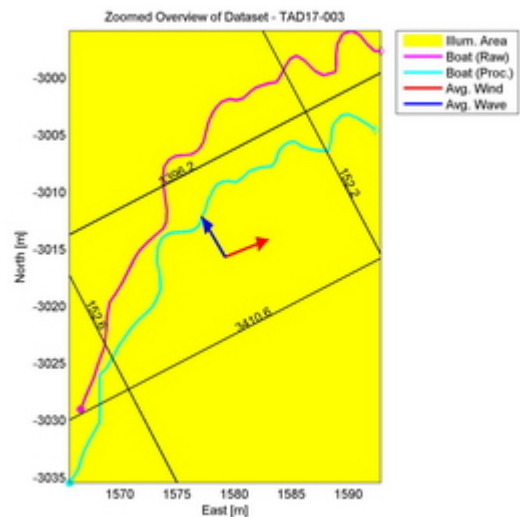
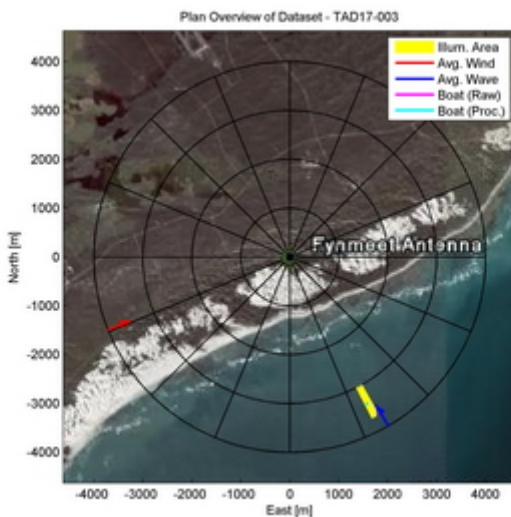
Dataset TAD17-003

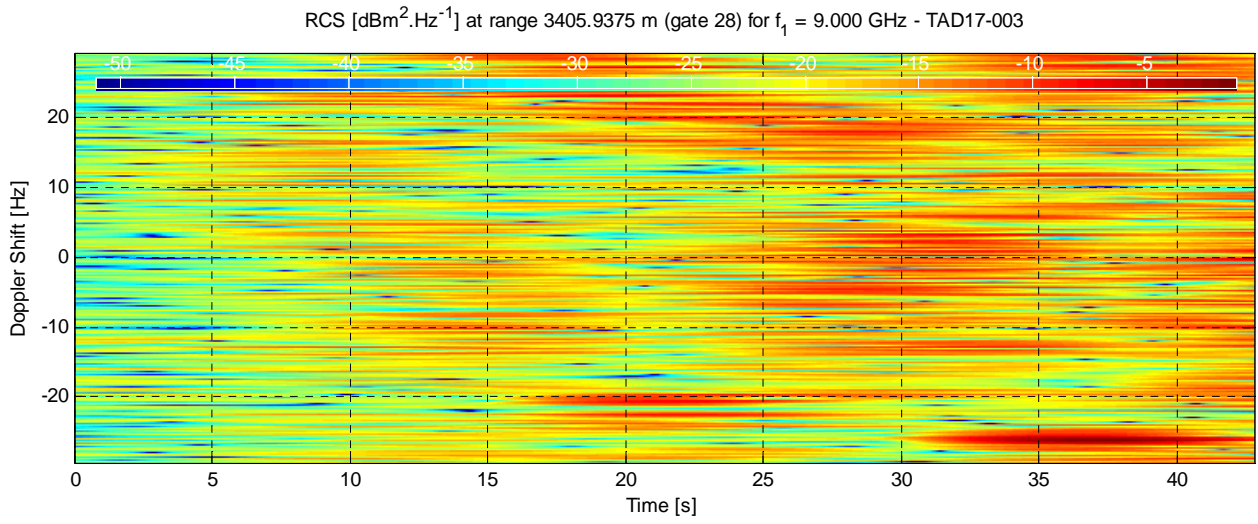
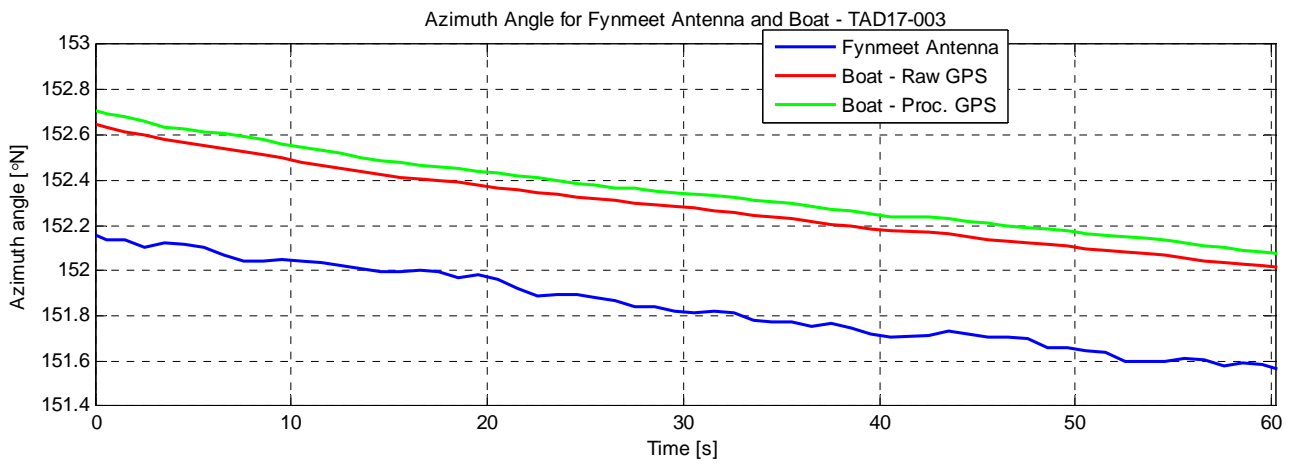
RCS [dBm²] vs. time and range for $f_1 = 9.000$ GHz - TAD17-003



Experiment Summary	Value	Radar Setup	Value
Type	Target	Tx Frequency	9.125 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	12:44:44.453	Tracking Range	3000.94 m
Duration	300985 PRI's (60.1968 s)	Range Extend	720 m (48 gates), 15 m res.
Original File	PF060803.017	Waveform Type	Frequency Agile
Original Path	\20060803_ifs_paul	Waveform Bandwidth	250 MHz
Processor Version	FMSCP Ver 01.22	Waveform File	SC_FAW1_15m.txt

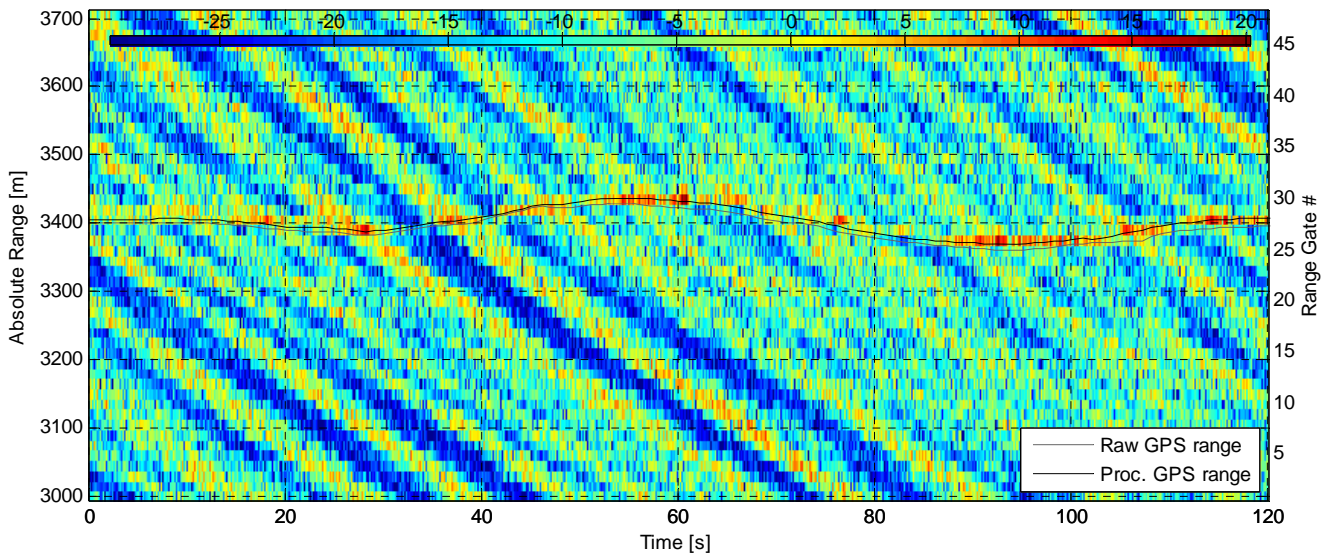
Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	16.2 kts, 248.1 deg. N	Grazing Angle	1.02 - 1.27 deg.	Odd Gates Offset	0.87819-3.2i
Wind Gust	26 kts, 252 deg. N	Antenna Azm.	151.6 - 152.2 deg. N	Even Gates Offset	-0.55393+1.592i
8hr Avg. Wind	10.8 kts, 253.9 deg. N	Antenna Elv.	-0.975 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.31 m, 150.4 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Available	Calibr. Coeff.	190.5 - 193.6 dB





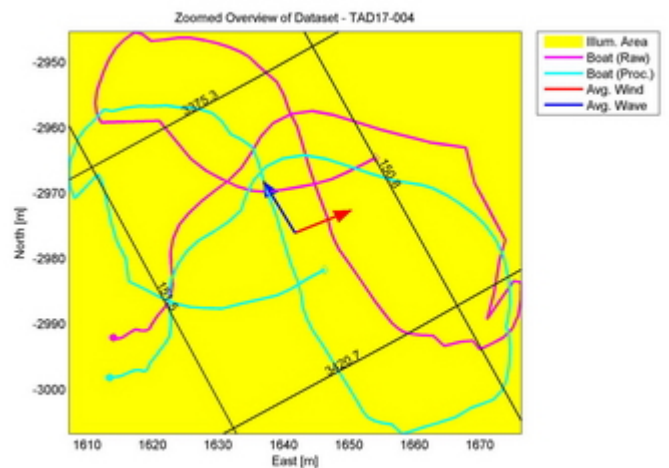
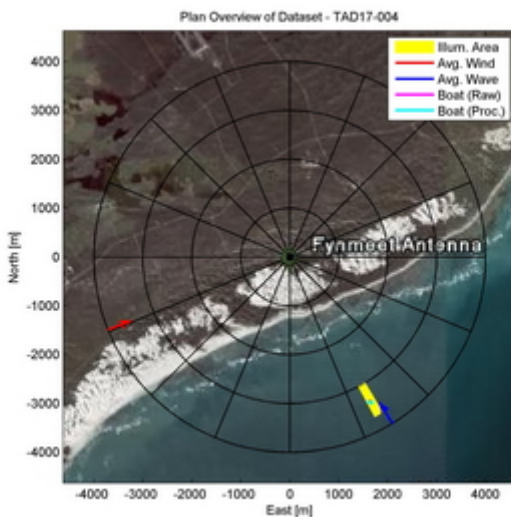
Dataset TAD17-004

RCS [dBm²] vs. time and range for $f_1 = 9.000$ GHz - TAD17-004

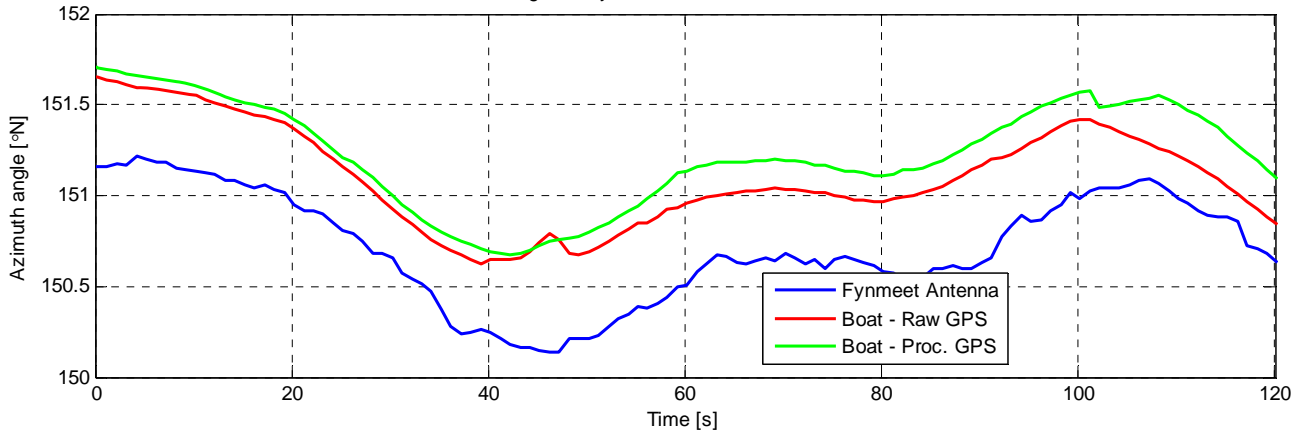


Experiment Summary	Value	Radar Setup	Value
Type	Target	Tx Frequency	9.125 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	12:46:30.772	Tracking Range	3000.94 m
Duration	600440 PRI's (120.0878 s)	Range Extend	720 m (48 gates), 15 m res.
Original File	PF060803.018	Waveform Type	Frequency Agile
Original Path	\20060803_ifs_paul	Waveform Bandwidth	250 MHz
Processor Version	FMSCP Ver 01.22	Waveform File	SC_FAW1_15m.txt

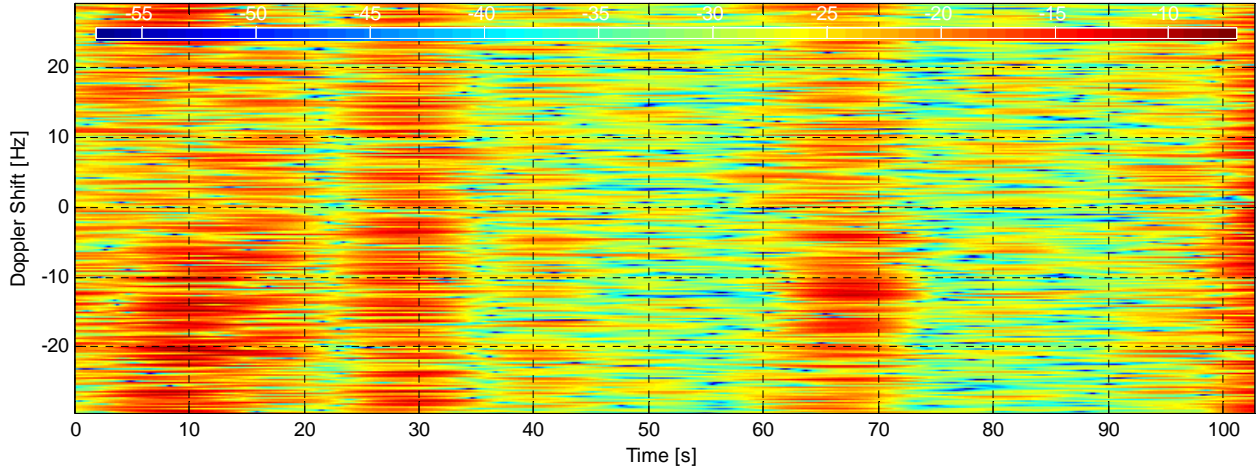
Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	16.1 kts, 248.1 deg. N	Grazing Angle	1.02 - 1.27 deg.	Odd Gates Offset	1.4043-3.2259i
Wind Gust	26 kts, 252 deg. N	Antenna Azm.	150.1 - 151.2 deg. N	Even Gates Offset	-0.71636+2.0988i
8hr Avg. Wind	10.8 kts, 253.9 deg. N	Antenna Elv.	-0.9558 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.33 m, 149.3 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Available	Calibr. Coeff.	190.5 - 193.6 dB



Azimuth Angle for Fynmeet Antenna and Boat - TAD17-004

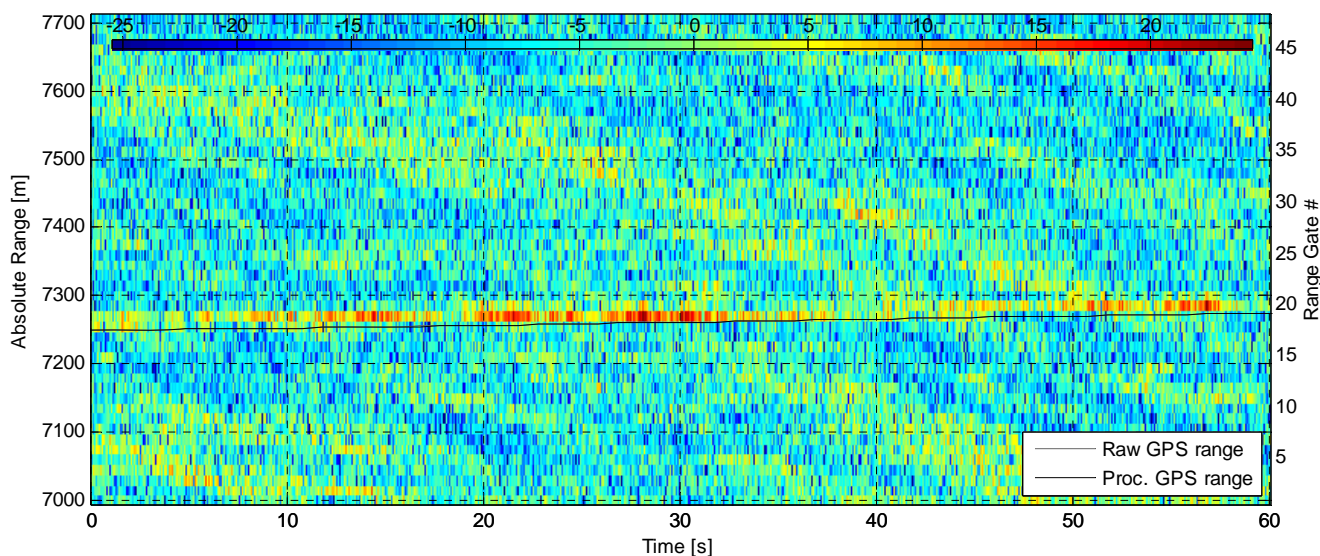


RCS [$\text{dBm}^2 \cdot \text{Hz}^{-1}$] at range 3405.9375 m (gate 28) for $f_1 = 9.000$ GHz - TAD17-004



Dataset TAD17-005

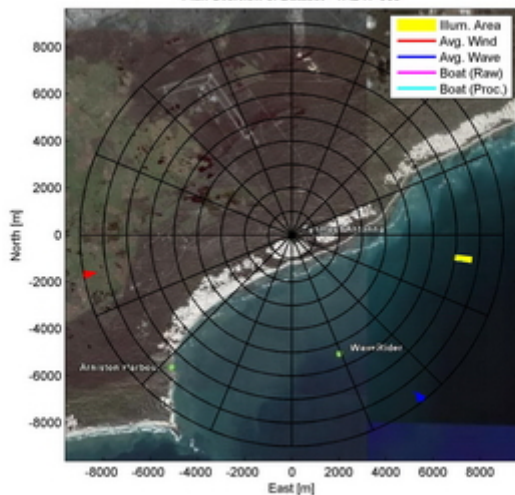
RCS [dBm²] vs. time and range for $f_1 = 9.000$ GHz - TAD17-005



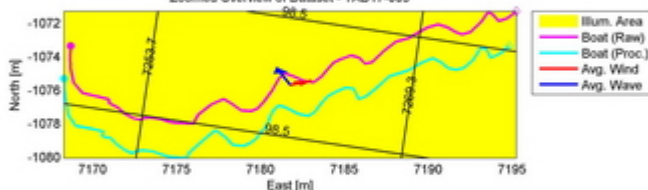
Experiment Summary	Value	Radar Setup	Value
Type	Target	Tx Frequency	9.125 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	14:33:05.194	Tracking Range	7001.56 m
Duration	300220 PRI's (60.0438 s)	Range Extend	720 m (48 gates), 15 m res.
Original File	PF060803.073	Waveform Type	Frequency Agile
Original Path	\20060803_ifs_paul_contd_2	Waveform Bandwidth	250 MHz
Processor Version	FMSCP Ver 01.22	Waveform File	SC_FAW1_15m.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15 kts, 258.7 deg. N	Grazing Angle	0.472 - 0.525 deg.	Odd Gates Offset	Bypassed
Wind Gust	26 kts, 264 deg. N	Antenna Azm.	97.91 deg. N	Even Gates Offset	Bypassed
8hr Avg. Wind	12.7 kts, 253.3 deg. N	Antenna Elv.	-0.5081 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.31 m, 141.9 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Available	Calibr. Coeff.	190.5 - 193.6 dB

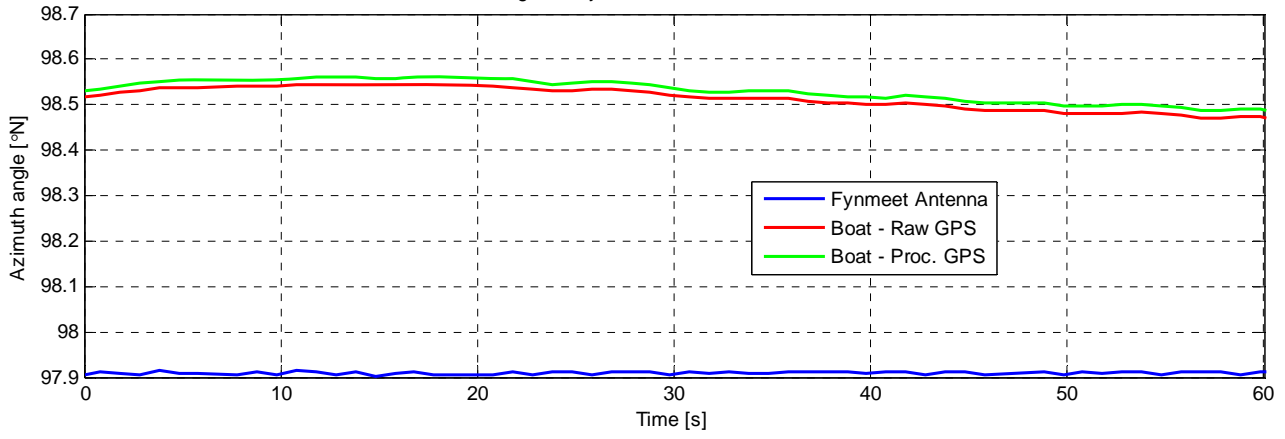
Plan Overview of Dataset - TAD17-005



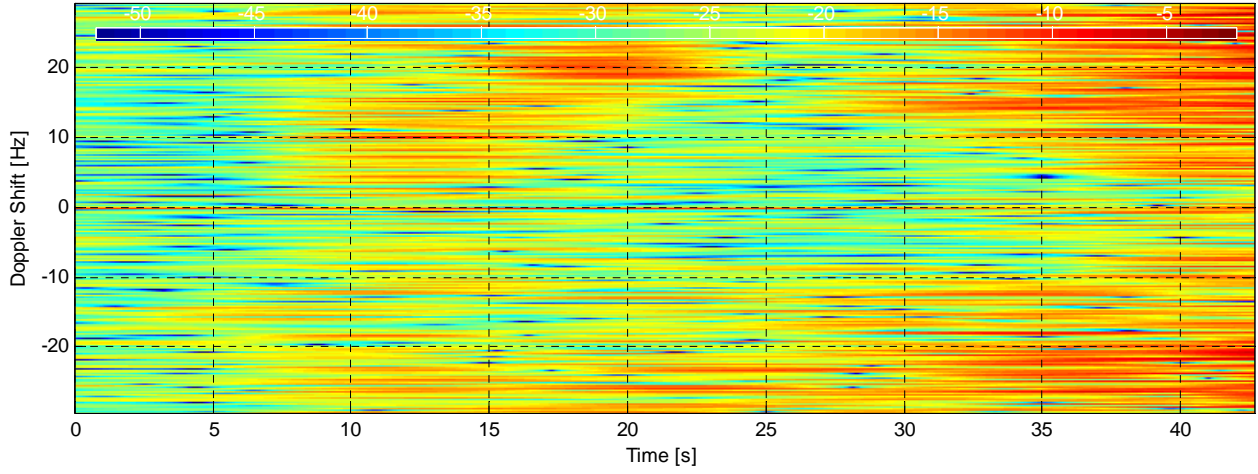
Zoomed Overview of Dataset - TAD17-005



Azimuth Angle for Fynmeet Antenna and Boat - TAD17-005

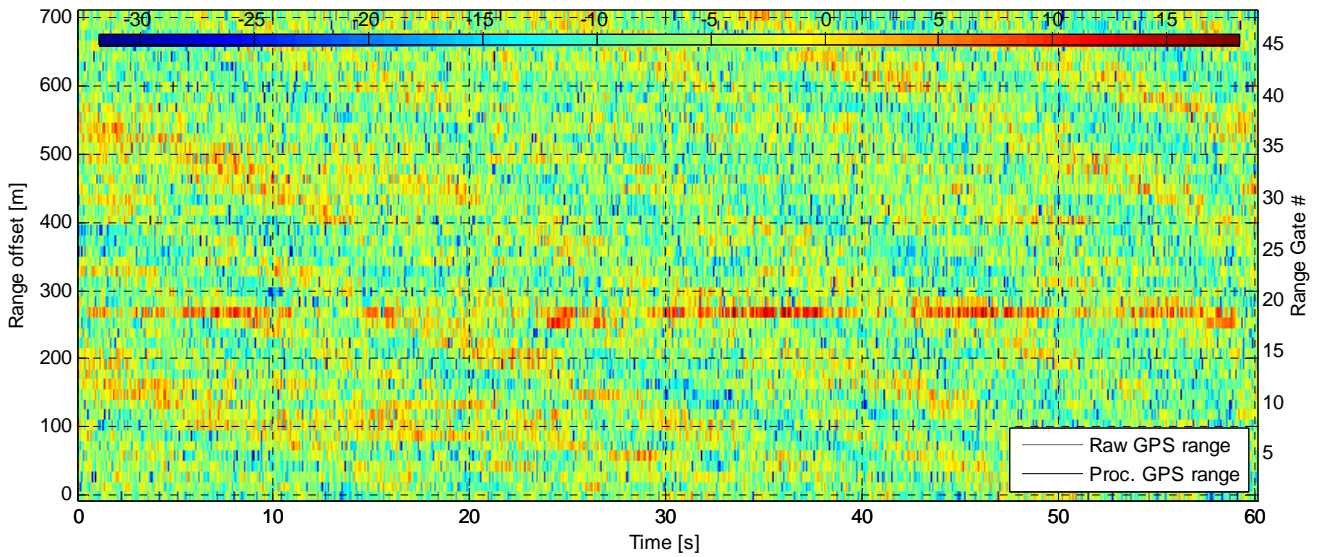


RCS [$\text{dBm}^2 \cdot \text{Hz}^{-1}$] at range 7286.5625 m (gate 20) for $f_1 = 9.000$ GHz - TAD17-005



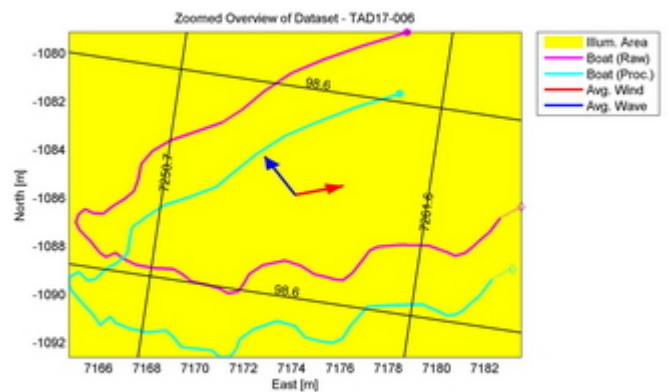
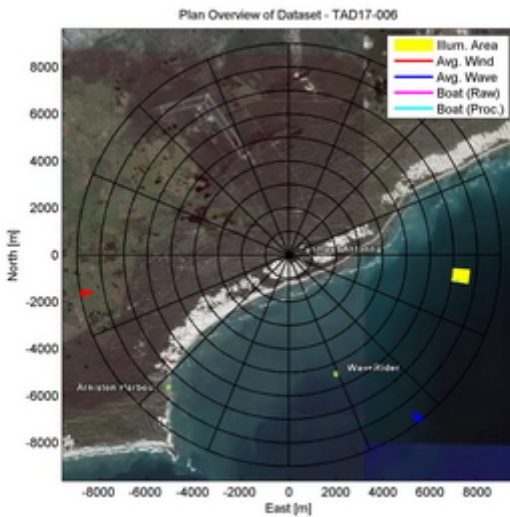
Dataset TAD17-006

RCS [dBm²] vs. time and range for $f_1 = 9.000$ GHz - TAD17-006

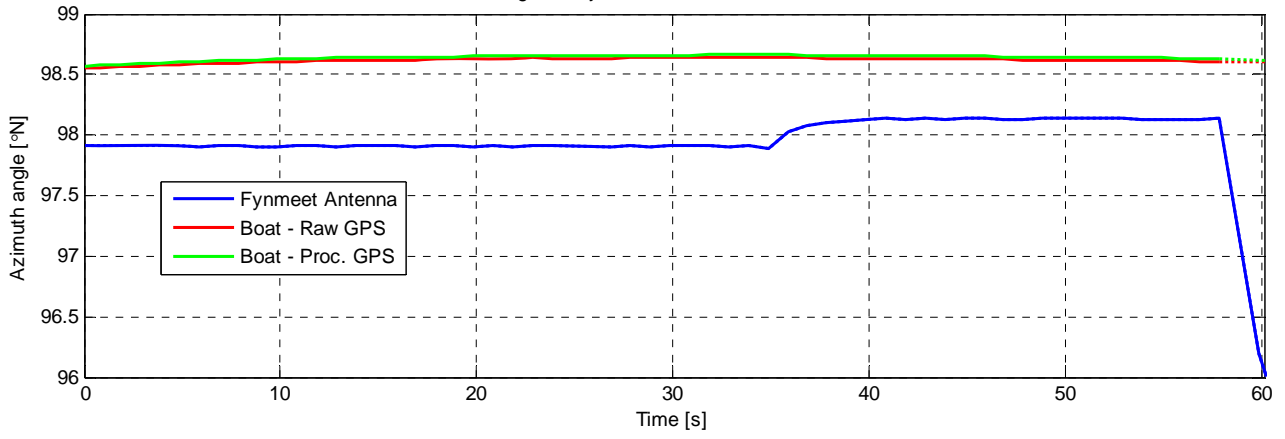


Experiment Summary	Value	Radar Setup	Value
Type	Target	Tx Frequency	9.125 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	14:34:52.160	Tracking Range	7001.56 - 7001.88 m
Duration	300645 PRI's (60.1288 s)	Range Extend	720 m (48 gates), 15 m res.
Original File	PF060803.074	Waveform Type	Frequency Agile
Original Path	\\20060803_ifs_paul_contd_2	Waveform Bandwidth	250 MHz
Processor Version	FMSCP Ver 01.22	Waveform File	SC_FAW1_15m.txt

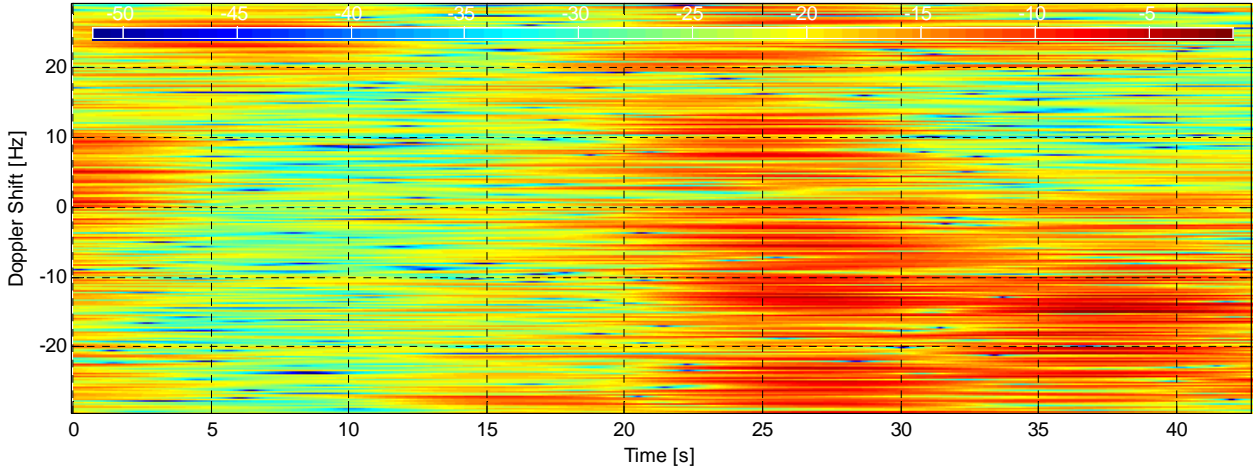
Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15 kts, 259.1 deg. N	Grazing Angle	0.472 - 0.525 deg.	Odd Gates Offset	Bypassed
Wind Gust	26 kts, 264 deg. N	Antenna Azm.	95.66 - 98.14 deg. N	Even Gates Offset	Bypassed
8hr Avg. Wind	12.8 kts, 253.3 deg. N	Antenna Elv.	-0.5219 - -0.1593 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.32 m, 141.8 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Available	Calibr. Coeff.	190.5 - 193.6 dB



Azimuth Angle for Fynmeet Antenna and Boat - TAD17-006

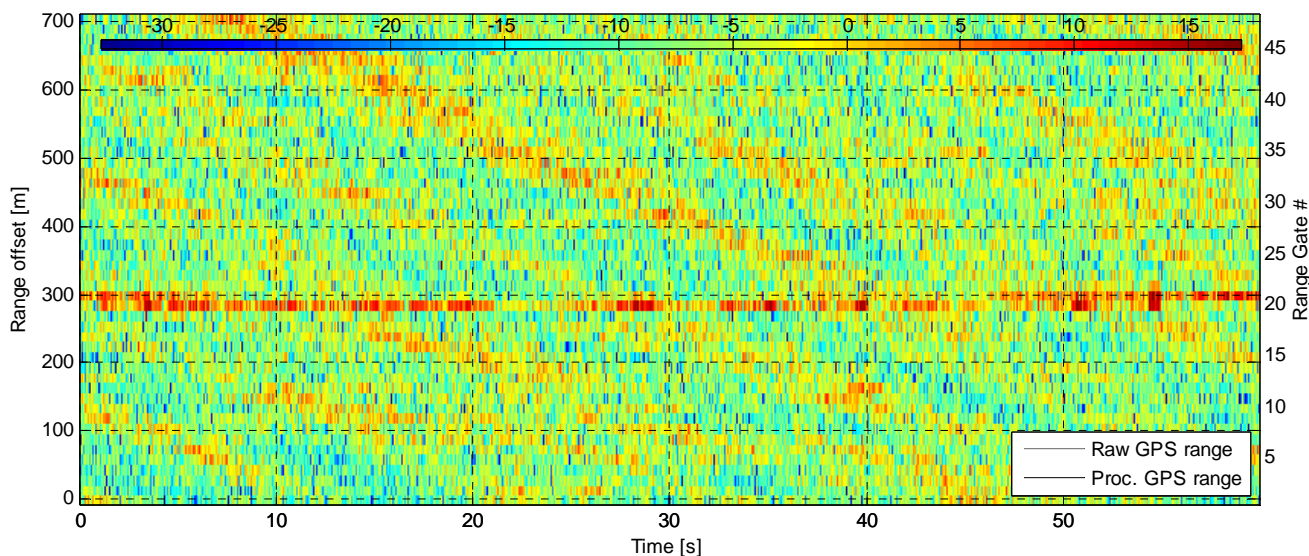


RCS [dBm².Hz⁻¹] at range 270 m (gate 19) for f₁ = 9.000 GHz - TAD17-006



Dataset TAD17-007

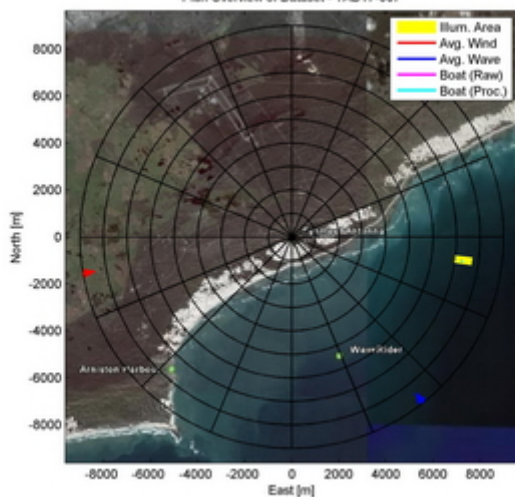
RCS [dBm²] vs. time and range for $f_1 = 9.000$ GHz - TAD17-007



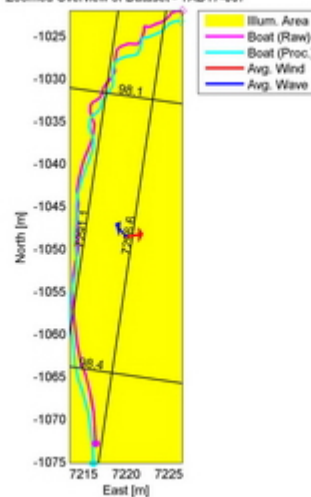
Experiment Summary	Value	Radar Setup	Value
Type	Target	Tx Frequency	9.125 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	14:36:44.718	Tracking Range	7002.19 - 7002.81 m
Duration	299710 PRI's (59.9418 s)	Range Extend	720 m (48 gates), 15 m res.
Original File	PF060803.075	Waveform Type	Frequency Agile
Original Path	\20060803_ifs_paul_contd_2	Waveform Bandwidth	250 MHz
Processor Version	FMSCP Ver 01.22	Waveform File	SC_FAW1_15m.txt

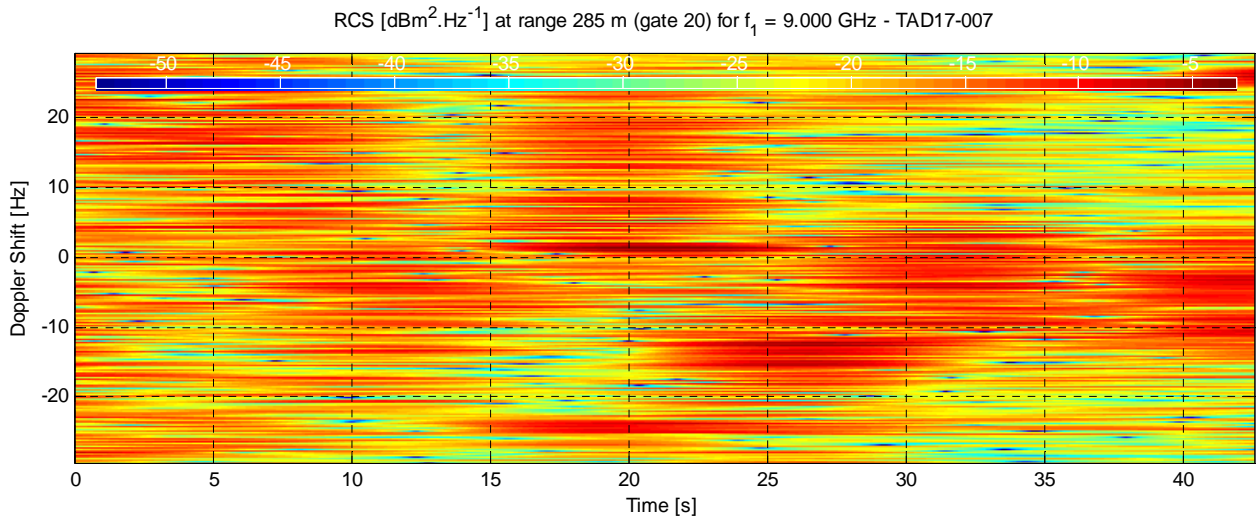
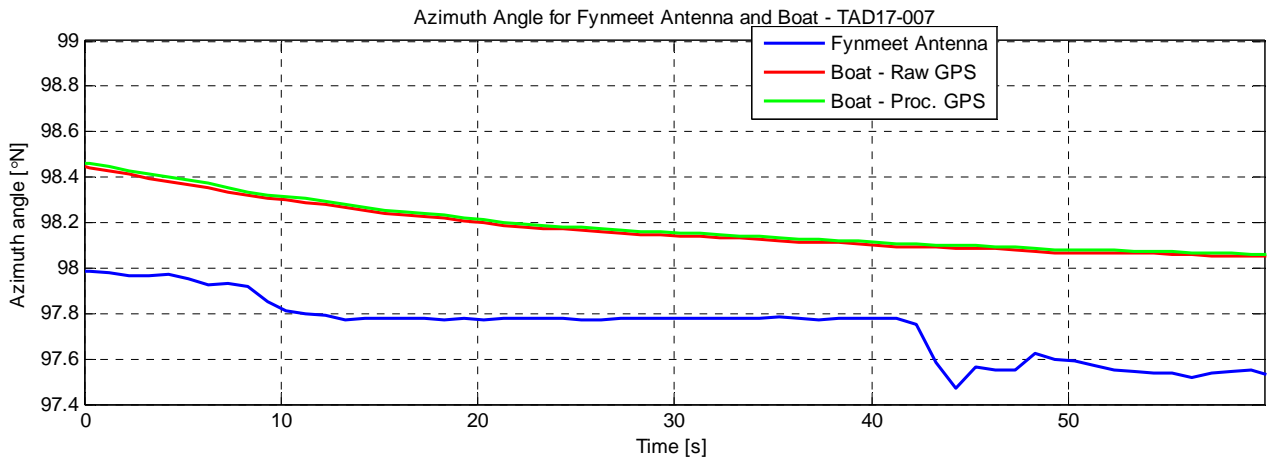
Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15 kts, 259.7 deg. N	Grazing Angle	0.472 - 0.525 deg.	Odd Gates Offset	Bypassed
Wind Gust	26 kts, 264 deg. N	Antenna Azm.	97.47 - 97.99 deg. N	Even Gates Offset	Bypassed
8hr Avg. Wind	12.8 kts, 253.3 deg. N	Antenna Elv.	-0.8459 - -0.1868 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.32 m, 141.7 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Available	Calibr. Coeff.	190.5 - 193.6 dB

Plan Overview of Dataset - TAD17-007



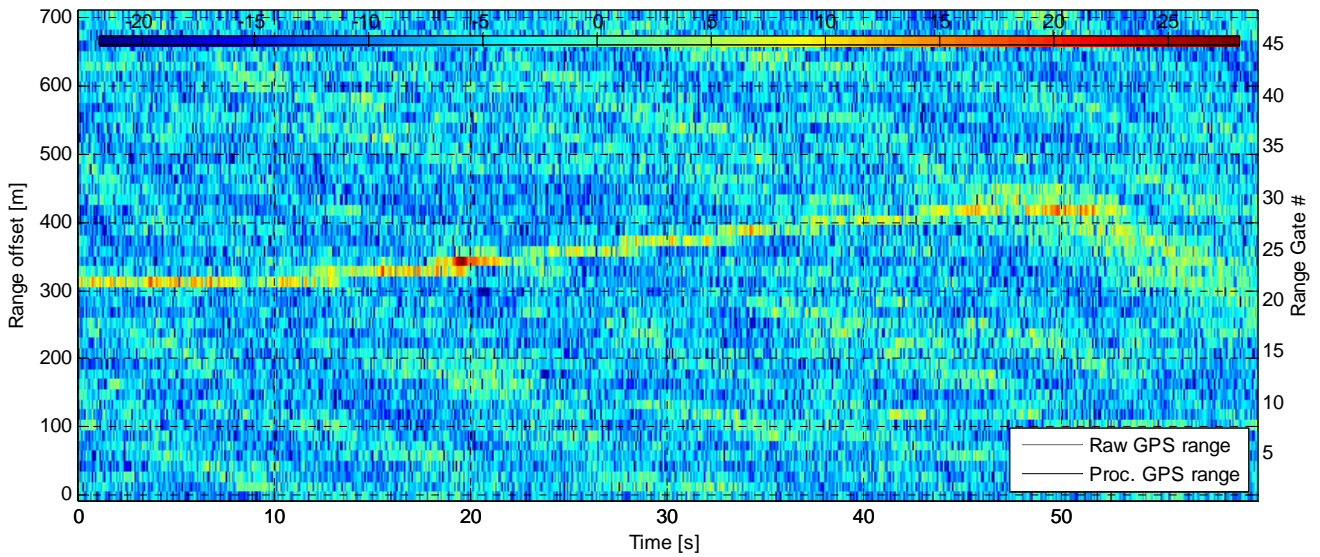
Zoomed Overview of Dataset - TAD17-007





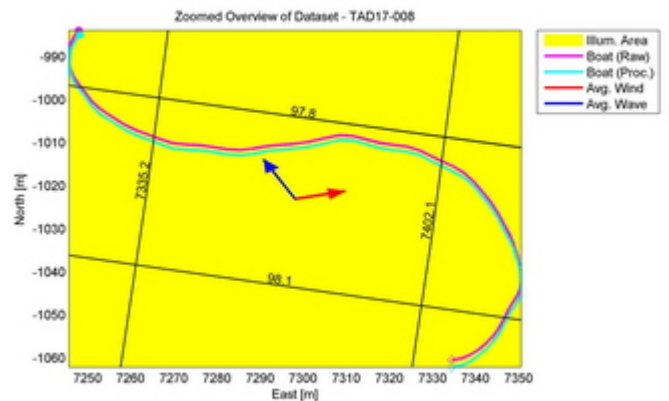
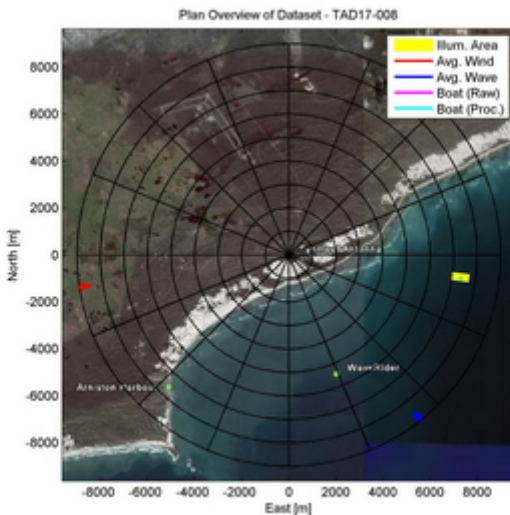
Dataset TAD17-008

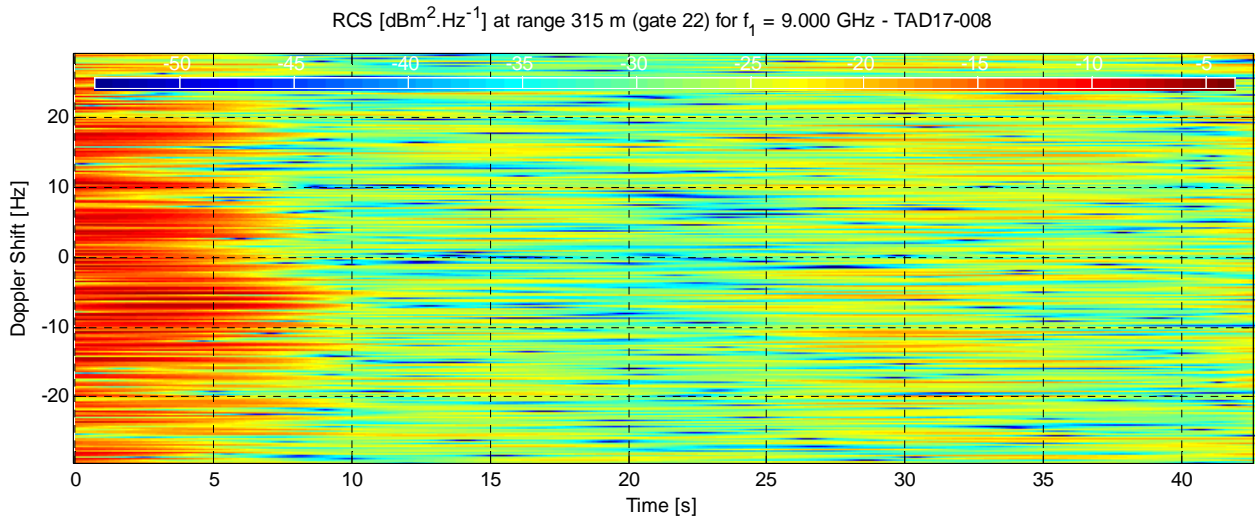
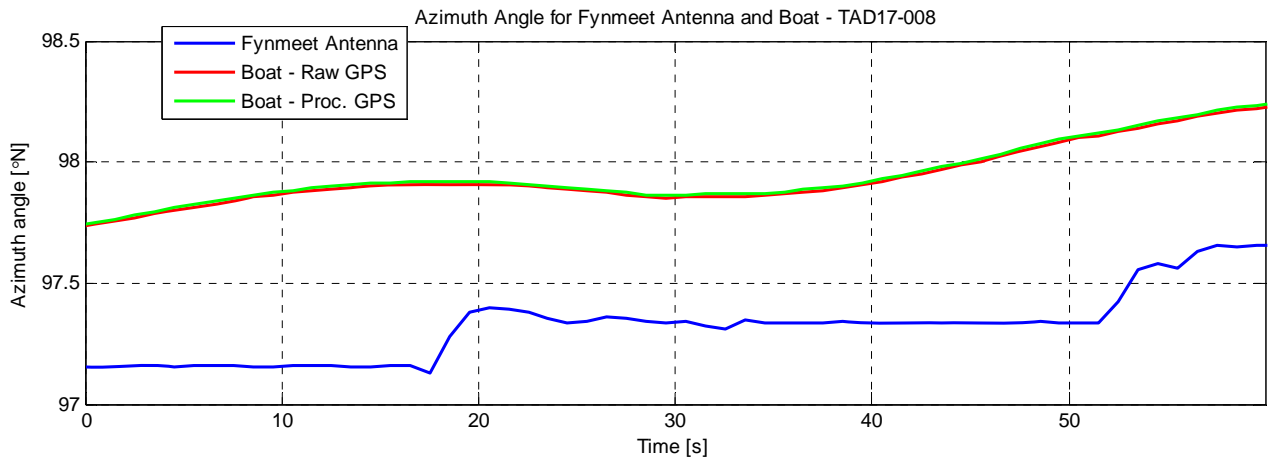
RCS [dBm²] vs. time and range for $f_1 = 9.000$ GHz - TAD17-008



Experiment Summary	Value	Radar Setup	Value
Type	Target	Tx Frequency	9.125 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	14:40:00.475	Tracking Range	7003.13 - 7003.44 m
Duration	299965 PRI's (59.9928 s)	Range Extend	720 m (48 gates), 15 m res.
Original File	PF060803.076	Waveform Type	Frequency Agile
Original Path	\20060803_ifs_paul_contd_2	Waveform Bandwidth	250 MHz
Processor Version	FMSCP Ver 01.22	Waveform File	SC_FAW1_15m.txt

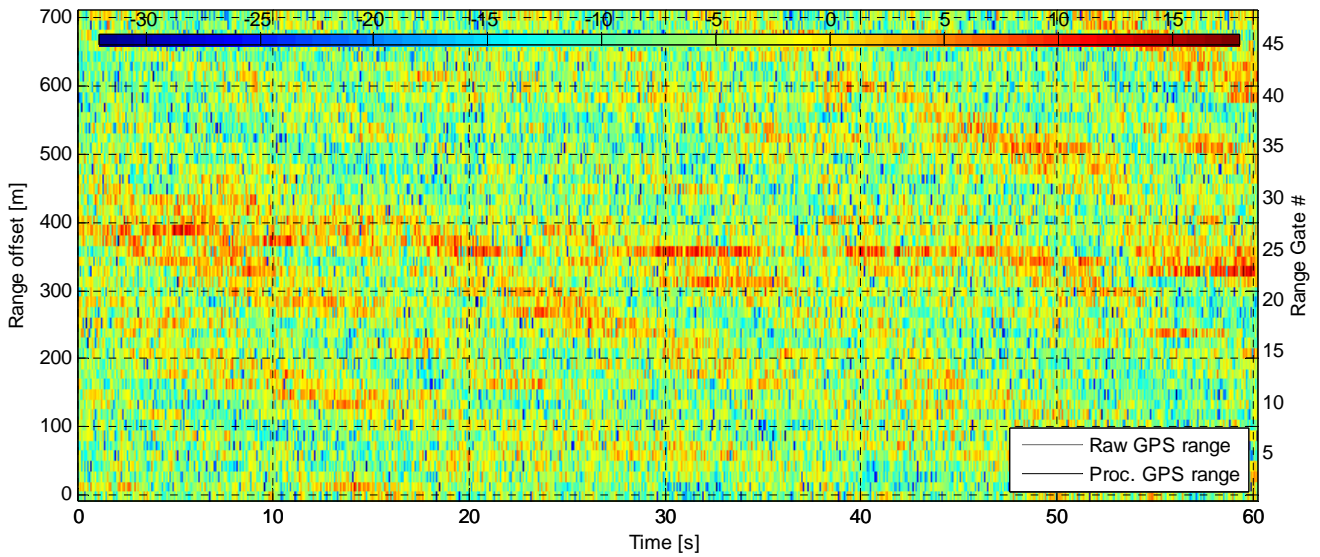
Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15 kts, 260.9 deg. N	Grazing Angle	0.472 - 0.525 deg.	Odd Gates Offset	Bypassed
Wind Gust	26 kts, 264 deg. N	Antenna Azm.	97.12 - 97.66 deg. N	Even Gates Offset	Bypassed
8hr Avg. Wind	12.9 kts, 253.2 deg. N	Antenna Elv.	-0.4285 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.34 m, 141.5 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Available	Calibr. Coeff.	190.5 - 193.6 dB





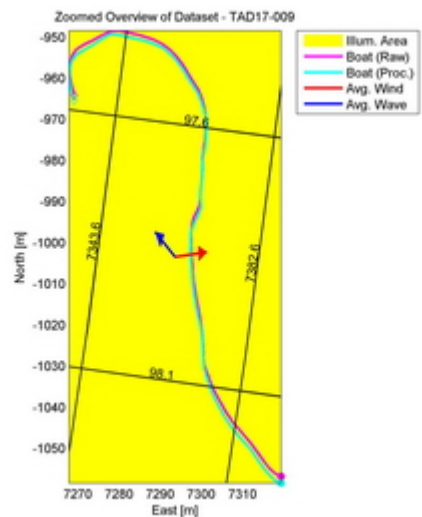
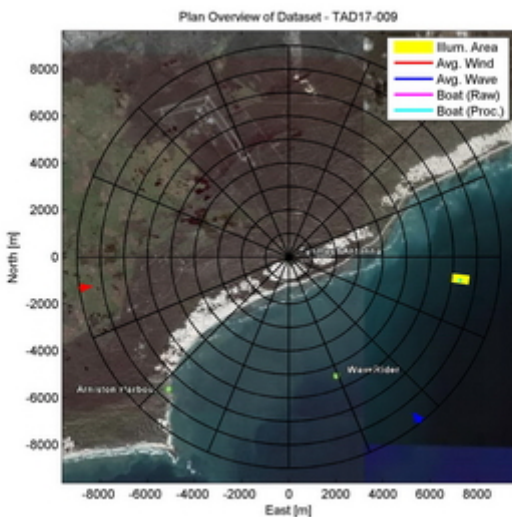
Dataset TAD17-009

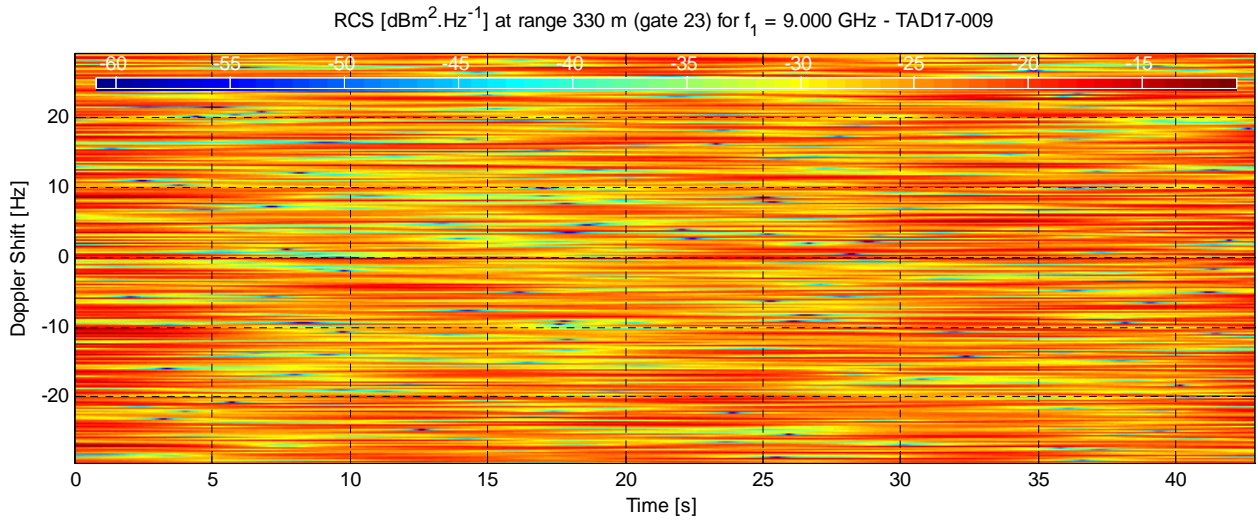
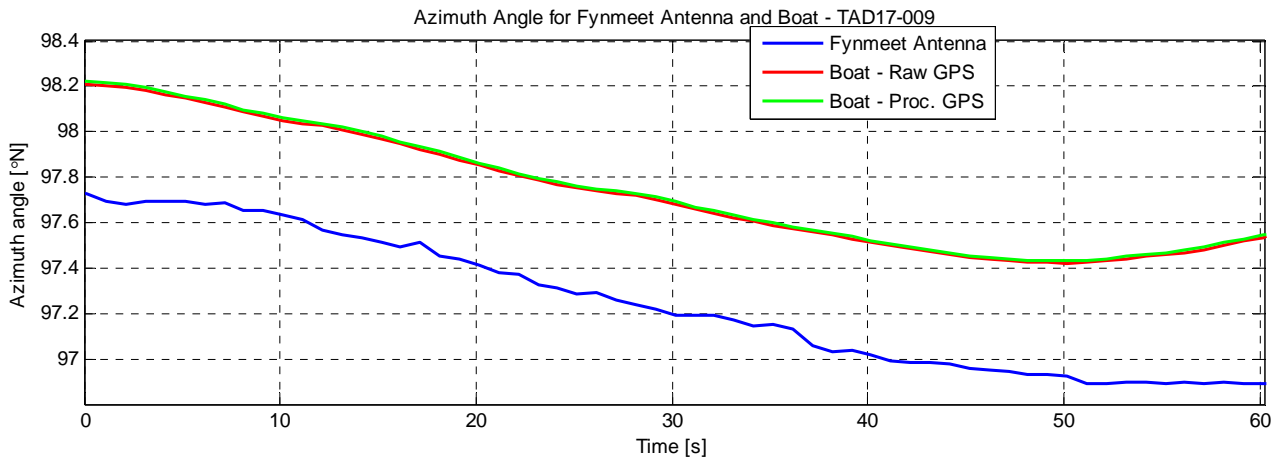
RCS [dBm²] vs. time and range for $f_1 = 9.000$ GHz - TAD17-009



Experiment Summary	Value	Radar Setup	Value
Type	Target	Tx Frequency	9.125 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	14:41:08.850	Tracking Range	7003.44 - 7003.75 m
Duration	301070 PRI's (60.2138 s)	Range Extend	720 m (48 gates), 15 m res.
Original File	PF060803.077	Waveform Type	Frequency Agile
Original Path	\20060803_ifs_paul_contd_2	Waveform Bandwidth	250 MHz
Processor Version	FMSCP Ver 01.22	Waveform File	SC_FAW1_15m.txt

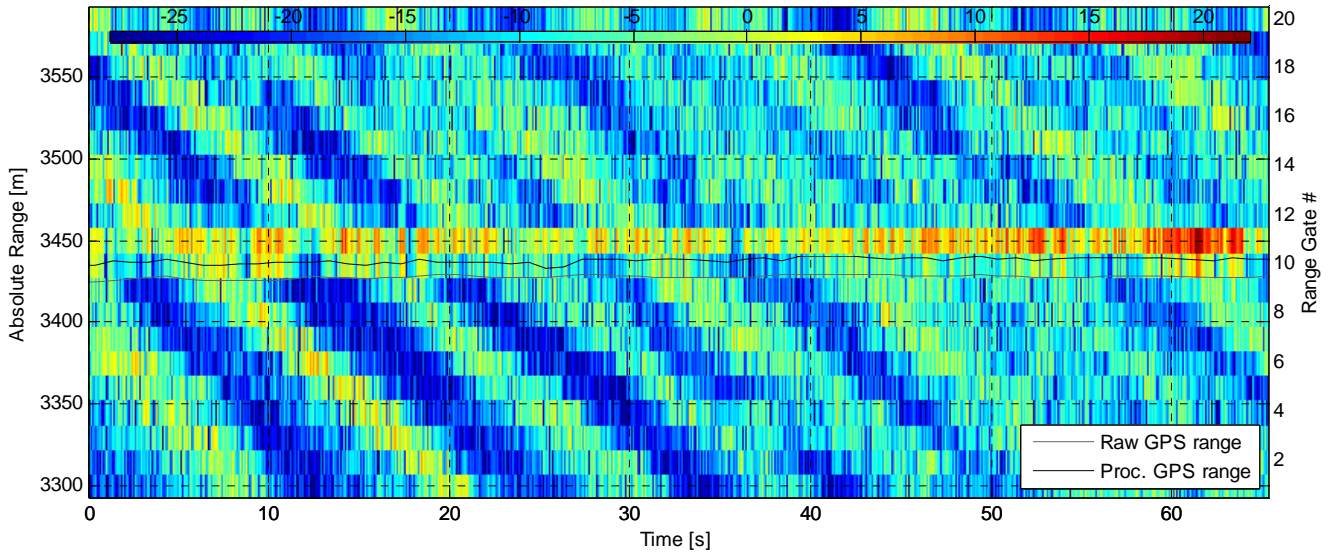
Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15 kts, 261.2 deg. N	Grazing Angle	0.472 - 0.525 deg.	Odd Gates Offset	Bypassed
Wind Gust	26 kts, 264 deg. N	Antenna Azm.	96.88 - 97.73 deg. N	Even Gates Offset	Bypassed
8hr Avg. Wind	12.9 kts, 253.2 deg. N	Antenna Elv.	-0.4312 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.35 m, 141.5 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Available	Calibr. Coeff.	190.5 - 193.6 dB





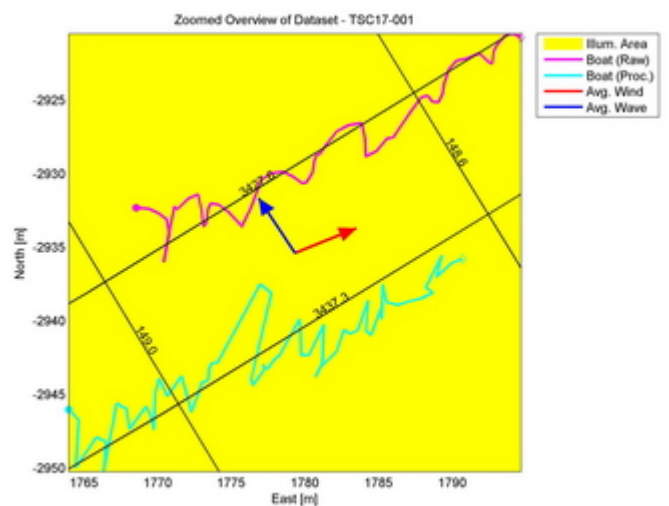
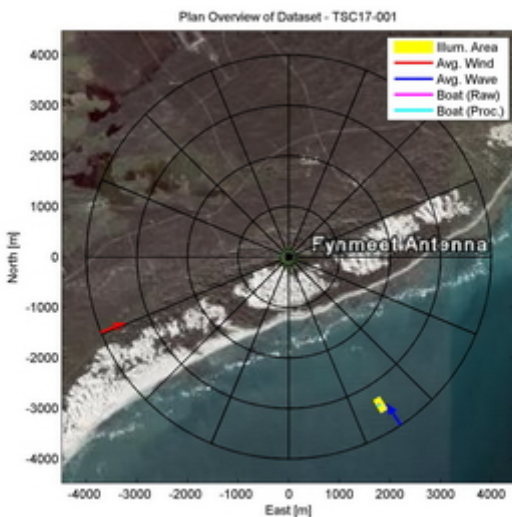
Dataset TSC17-001

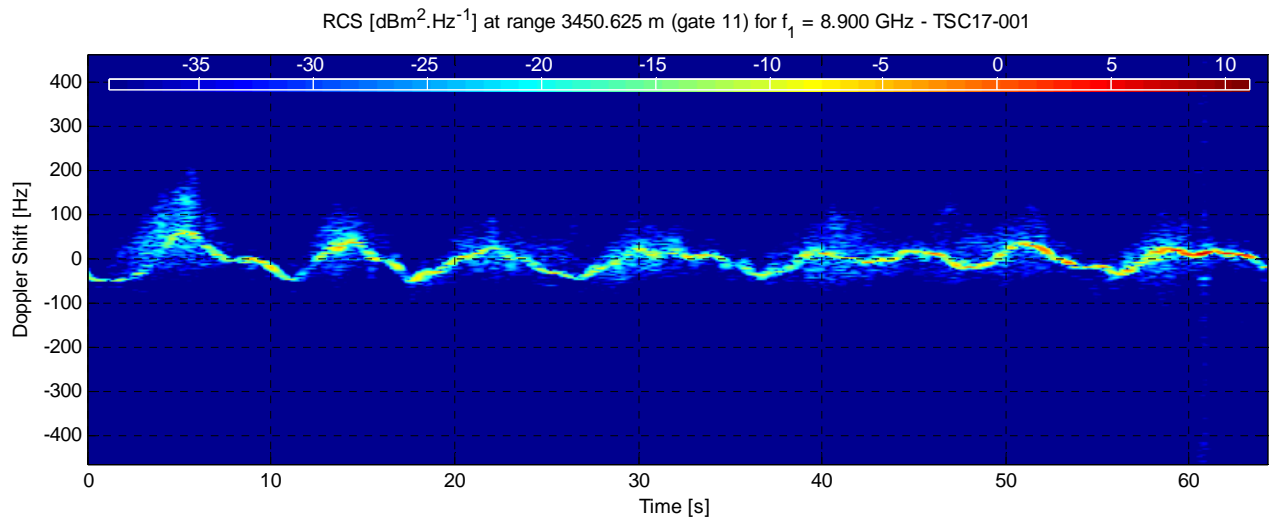
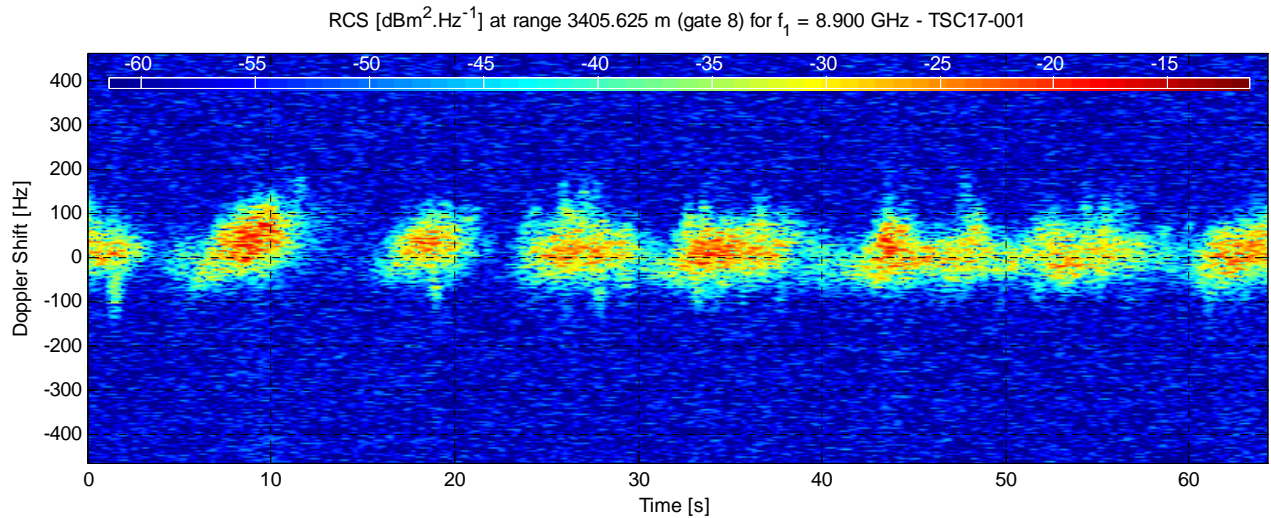
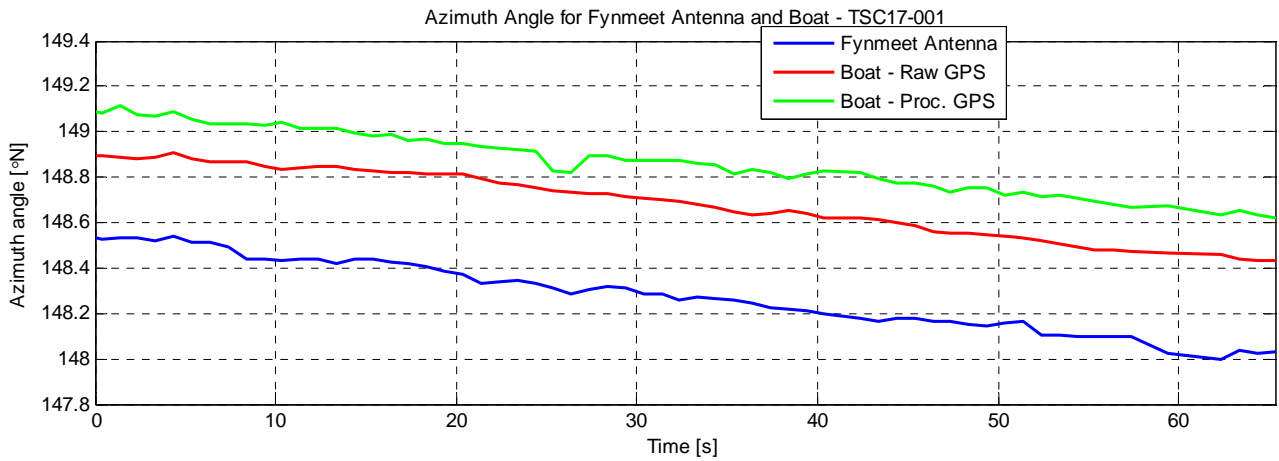
RCS [dBm²] vs. time and range for $f_1 = 8.900$ GHz - TSC17-001



Experiment Summary	Value	Radar Setup	Value
Type	Target	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	25 kHz
Start Time	12:50:34.641	Tracking Range	3300.63 m
Duration	1632771 PRI's (65.3108 s)	Range Extend	300 m (20 gates), 15 m res.
Original File	PF060803.019	Waveform Type	Stepped Frequency
Original Path	\\20060803_ifs_paul	Waveform Bandwidth	135 MHz
Processor Version	FMSCP Ver 01.22	Waveform File	SC_SRP_5M25P_with_mrkr.txt

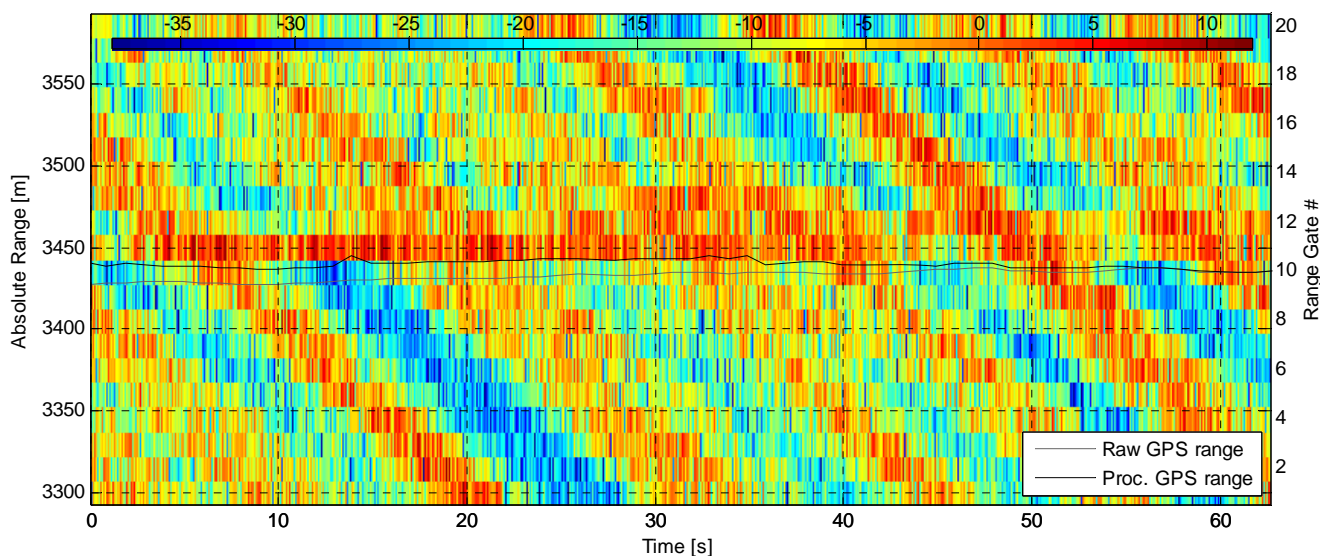
Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	16 kts, 248 deg. N	Grazing Angle	1.06 - 1.15 deg.	Odd Gates Offset	0.77134-3.4049i
Wind Gust	26 kts, 252 deg. N	Antenna Azm.	148 - 148.5 deg. N	Even Gates Offset	-0.50172+1.3737i
8hr Avg. Wind	10.9 kts, 254 deg. N	Antenna Elv.	-0.9064 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.35 m, 146.9 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Available	Calibr. Coeff.	188.6 - 192.9 dB





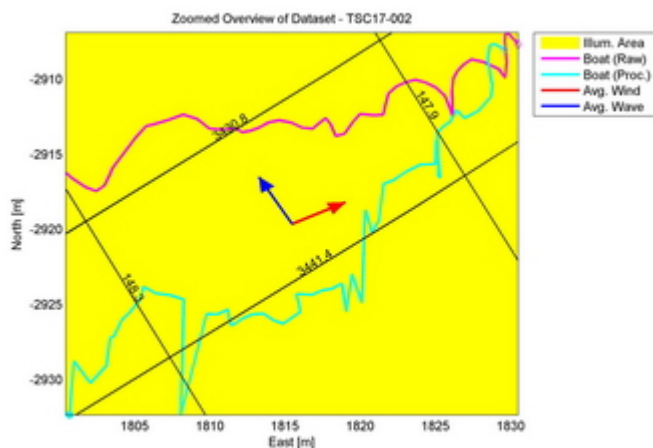
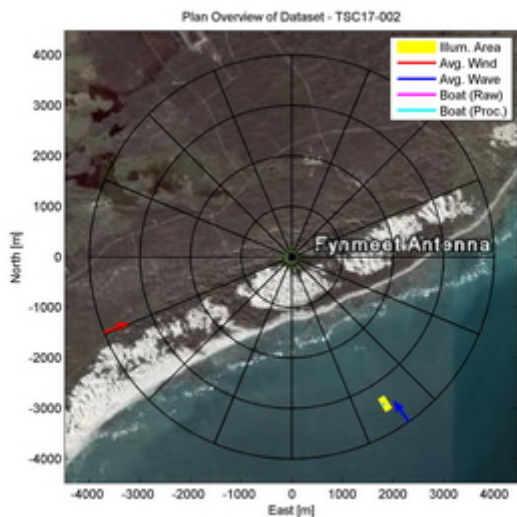
Dataset TSC17-002

RCS [dBm²] vs. time and range for $f_1 = 8.900$ GHz - TSC17-002

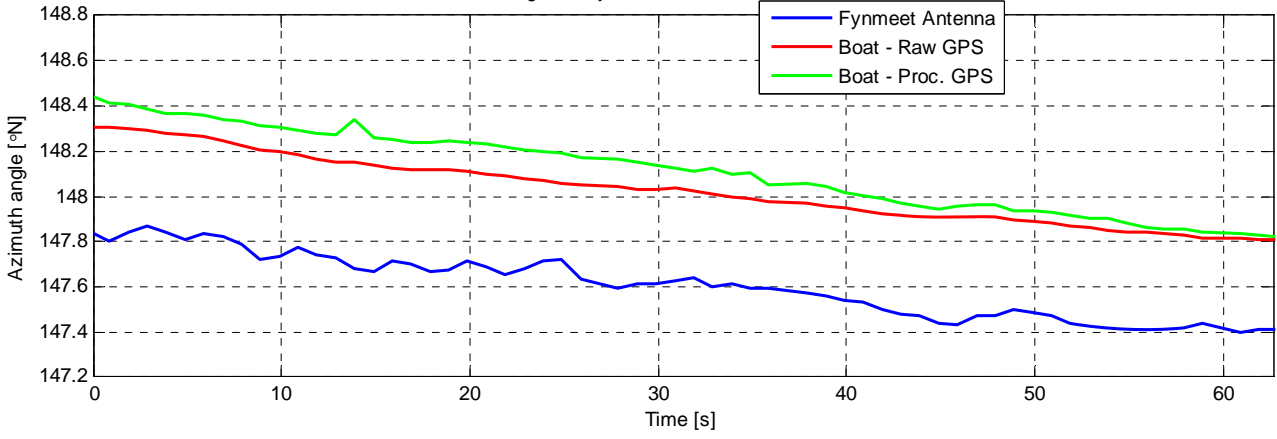


Experiment Summary	Value	Radar Setup	Value
Type	Target	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	25 kHz
Start Time	12:53:43.125	Tracking Range	3300.63 m
Duration	1565865 PRI's (62.6346 s)	Range Extend	300 m (20 gates), 15 m res.
Original File	PF060803.021	Waveform Type	Stepped Frequency
Original Path	\\20060803_ifs_paul	Waveform Bandwidth	135 MHz
Processor Version	FMSCP Ver 01.22	Waveform File	SC_SRP_5M25P_with_mrkr.txt

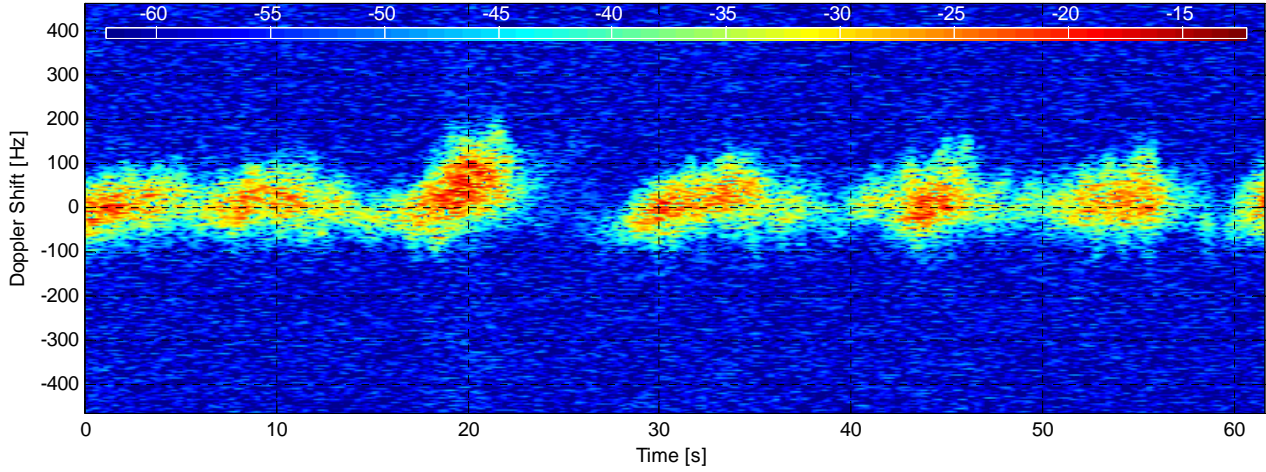
Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15.9 kts, 248 deg. N	Grazing Angle	1.06 - 1.15 deg.	Odd Gates Offset	0.79857-3.3458i
Wind Gust	26 kts, 252 deg. N	Antenna Azm.	147.4 - 147.9 deg. N	Even Gates Offset	-0.53809+1.5322i
8hr Avg. Wind	10.9 kts, 254.1 deg. N	Antenna Elv.	-0.9009 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.36 m, 145.3 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Available	Calibr. Coeff.	188.6 - 192.9 dB



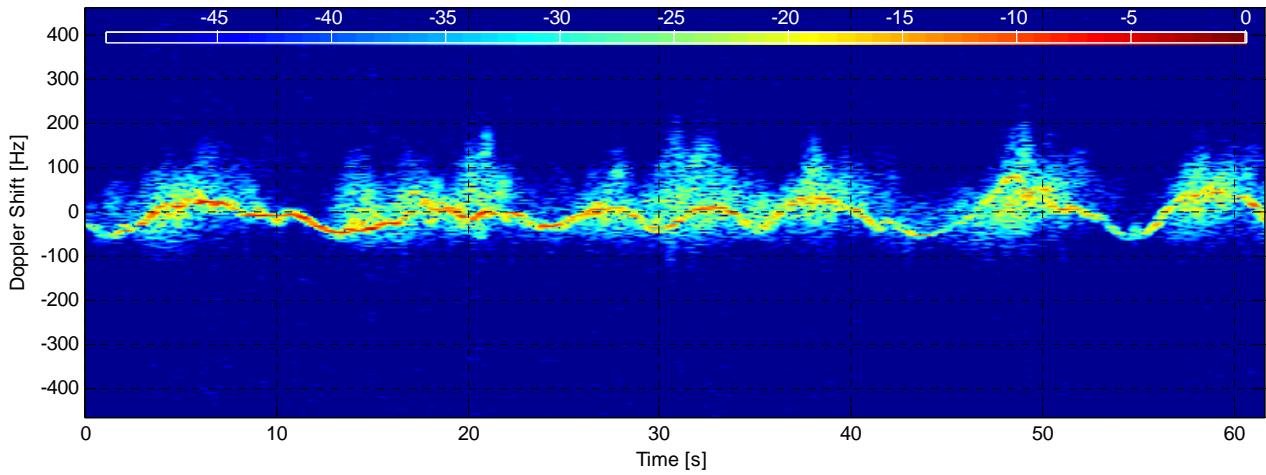
Azimuth Angle for Fynmeet Antenna and Boat - TSC17-002



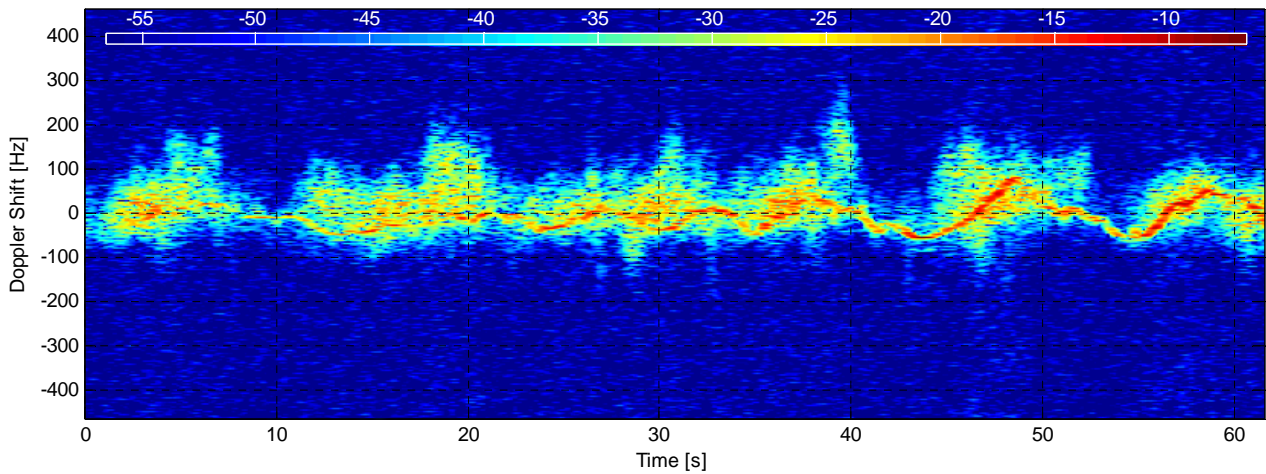
RCS [dBm².Hz⁻¹] at range 3300.625 m (gate 1) for f₁ = 8.900 GHz - TSC17-002



RCS [dBm².Hz⁻¹] at range 3450.625 m (gate 11) for f₁ = 8.900 GHz - TSC17-002

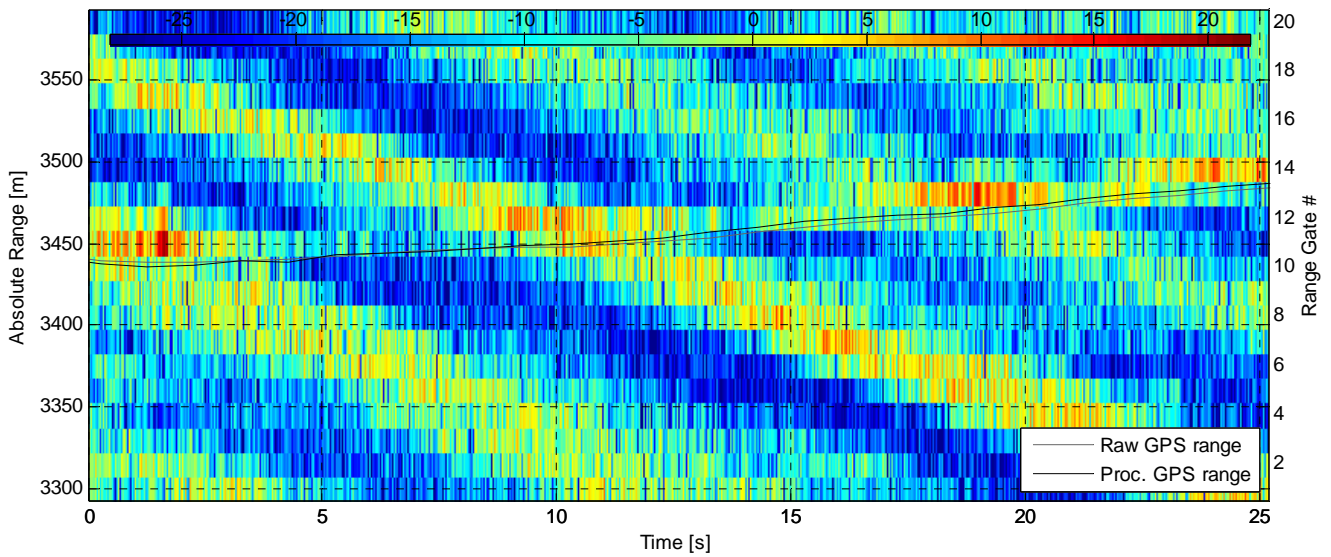


RCS [dBm².Hz⁻¹] at range 3465.625 m (gate 12) for f₁ = 8.900 GHz - TSC17-002



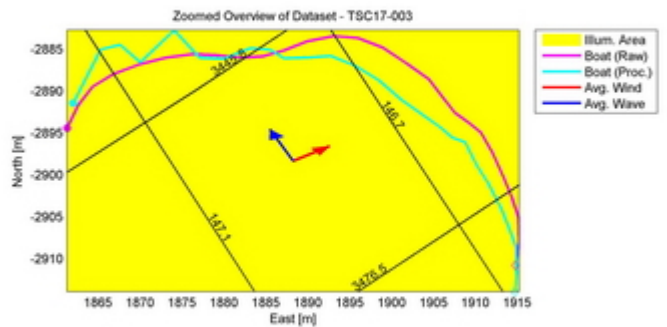
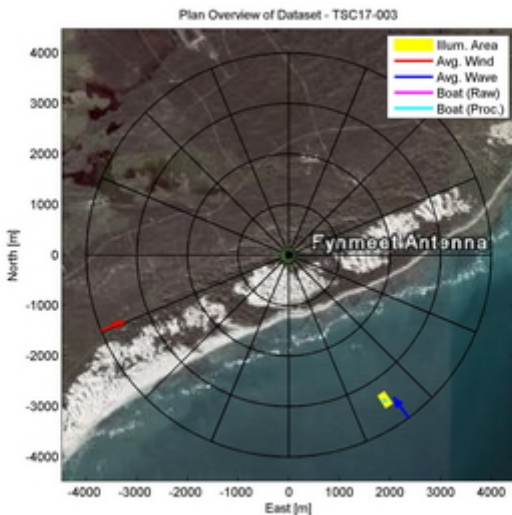
Dataset TSC17-003

RCS [dBm²] vs. time and range for $f_1 = 8.900$ GHz - TSC17-003

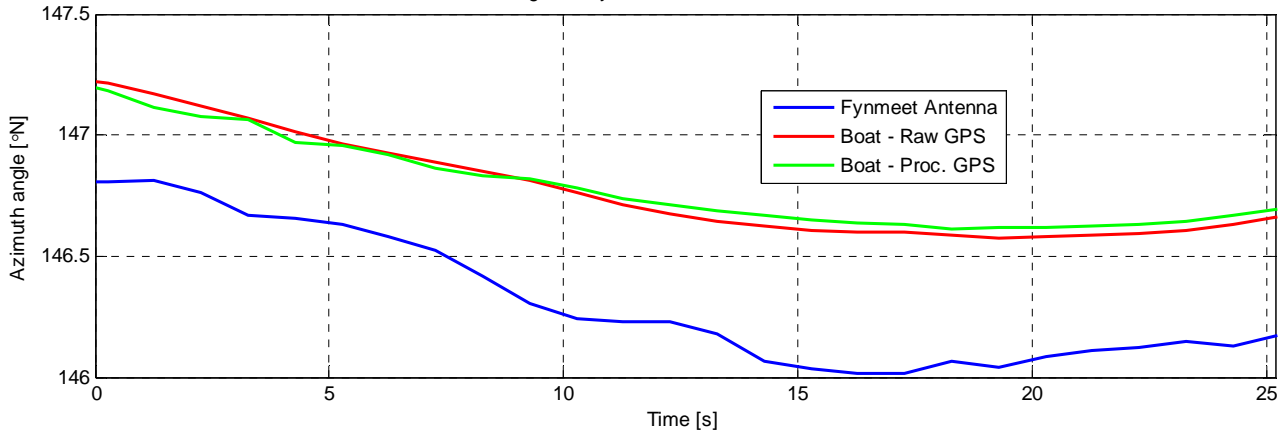


Experiment Summary	Value	Radar Setup	Value
Type	Target	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	25 kHz
Start Time	12:55:44.735	Tracking Range	3300.63 m
Duration	629127 PRI's (25.165 s)	Range Extend	300 m (20 gates), 15 m res.
Original File	PF060803.022	Waveform Type	Stepped Frequency
Original Path	\\20060803_ifs_paul	Waveform Bandwidth	135 MHz
Processor Version	FMSCP Ver 01.22	Waveform File	SC_SRP_5M25P_with_mrkr.txt

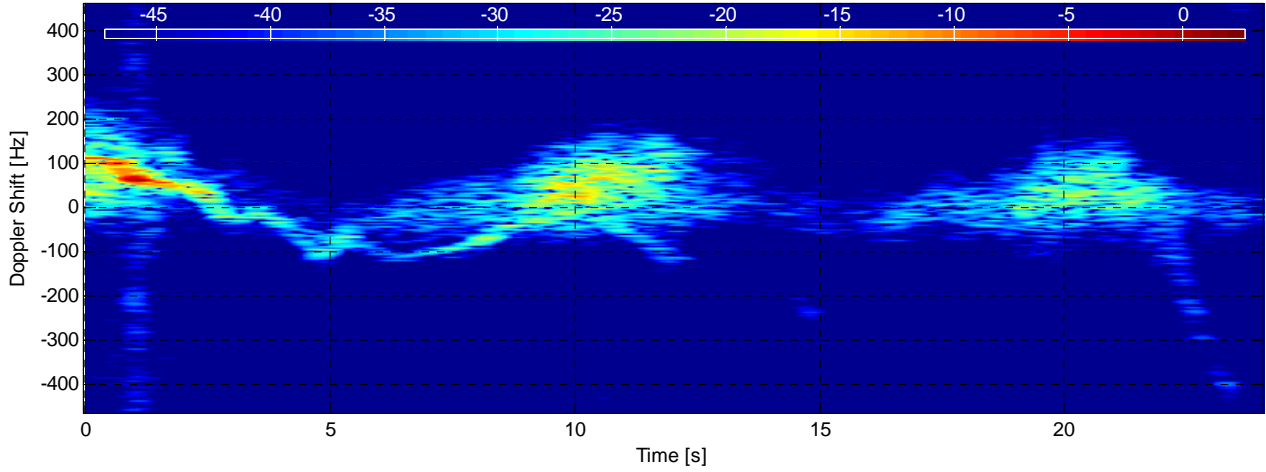
Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15.9 kts, 247.9 deg. N	Grazing Angle	1.06 - 1.15 deg.	Odd Gates Offset	0.69984-3.3201i
Wind Gust	26 kts, 252 deg. N	Antenna Azm.	146 - 146.8 deg. N	Even Gates Offset	-0.61737+1.2793i
8hr Avg. Wind	11 kts, 254.2 deg. N	Antenna Elv.	-0.9448 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.37 m, 144.2 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Available	Calibr. Coeff.	188.6 - 192.9 dB



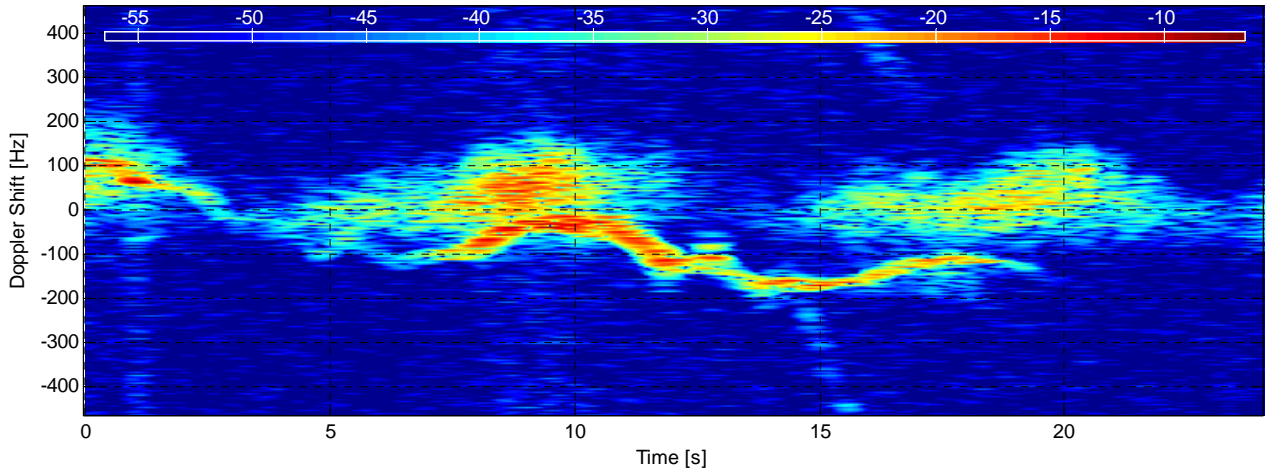
Azimuth Angle for Fynmeet Antenna and Boat - TSC17-003



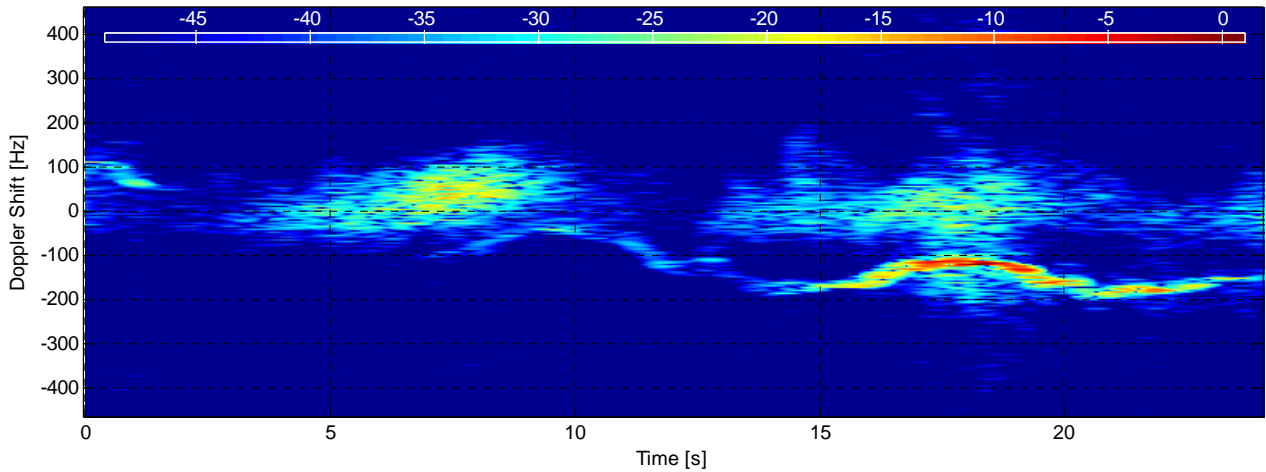
RCS [dBm².Hz⁻¹] at range 3450.625 m (gate 11) for $f_1 = 8.900$ GHz - TSC17-003



RCS [dBm².Hz⁻¹] at range 3465.625 m (gate 12) for $f_1 = 8.900$ GHz - TSC17-003

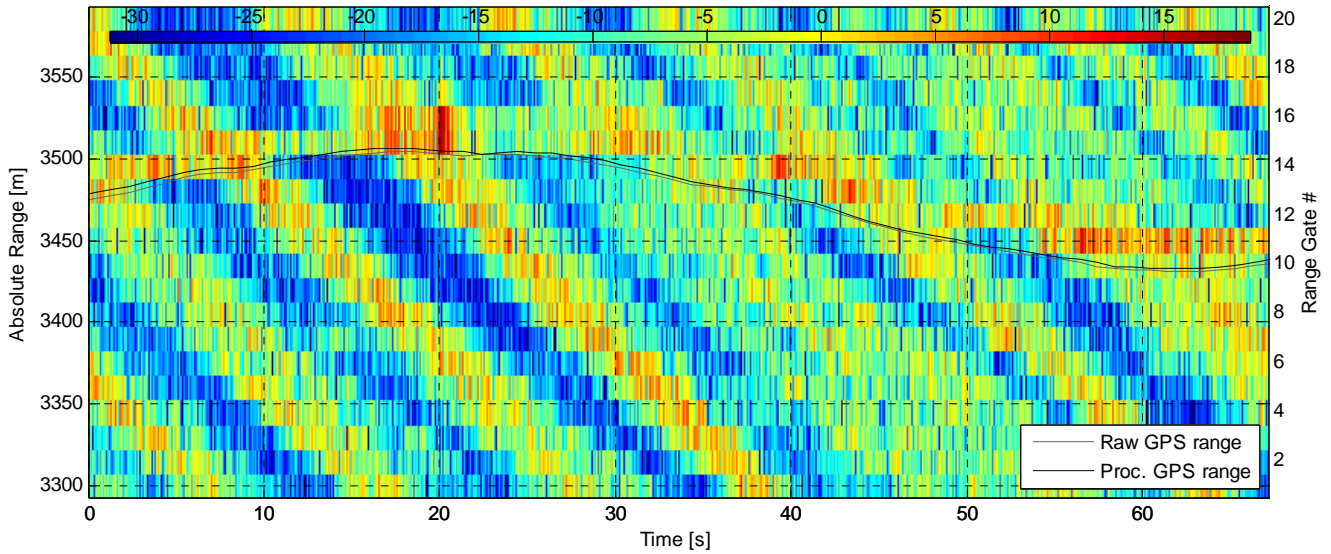


RCS [dBm².Hz⁻¹] at range 3480.625 m (gate 13) for $f_1 = 8.900$ GHz - TSC17-003



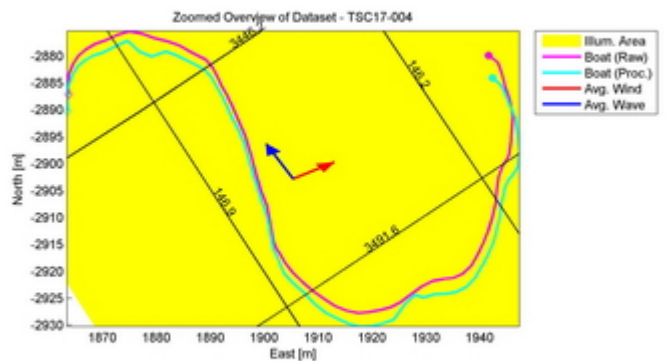
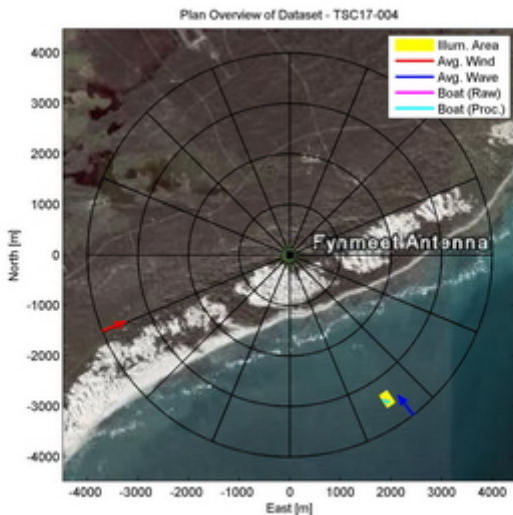
Dataset TSC17-004

RCS [dBm²] vs. time and range for $f_1 = 8.900$ GHz - TSC17-004

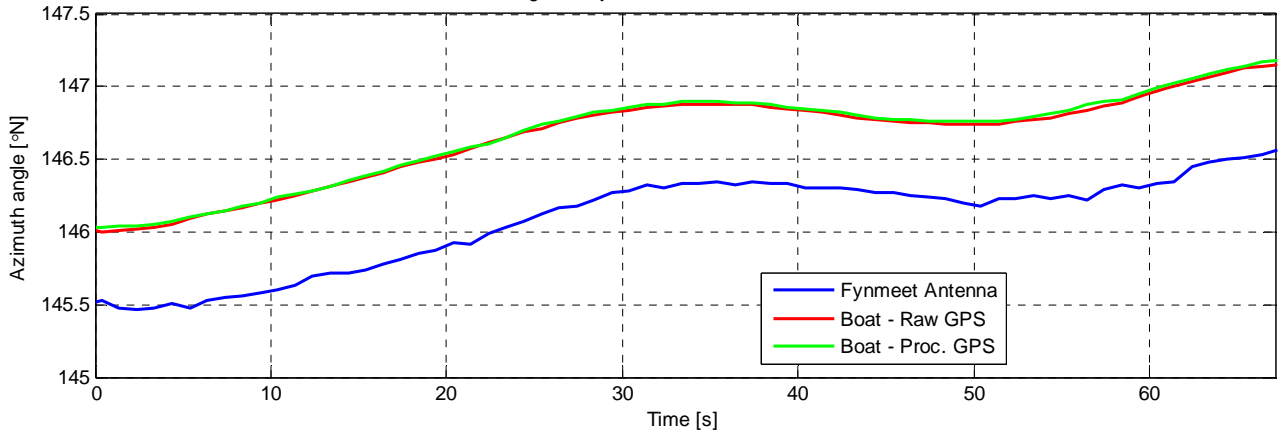


Experiment Summary	Value	Radar Setup	Value
Type	Target	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	25 kHz
Start Time	12:58:02.626	Tracking Range	3300.63 m
Duration	1677699 PRI's (67.1079 s)	Range Extend	300 m (20 gates), 15 m res.
Original File	PF060803.023	Waveform Type	Stepped Frequency
Original Path	\\20060803_ifs_paul	Waveform Bandwidth	135 MHz
Processor Version	FMSCP Ver 01.22	Waveform File	SC_SRP_5M25P_with_mrkr.txt

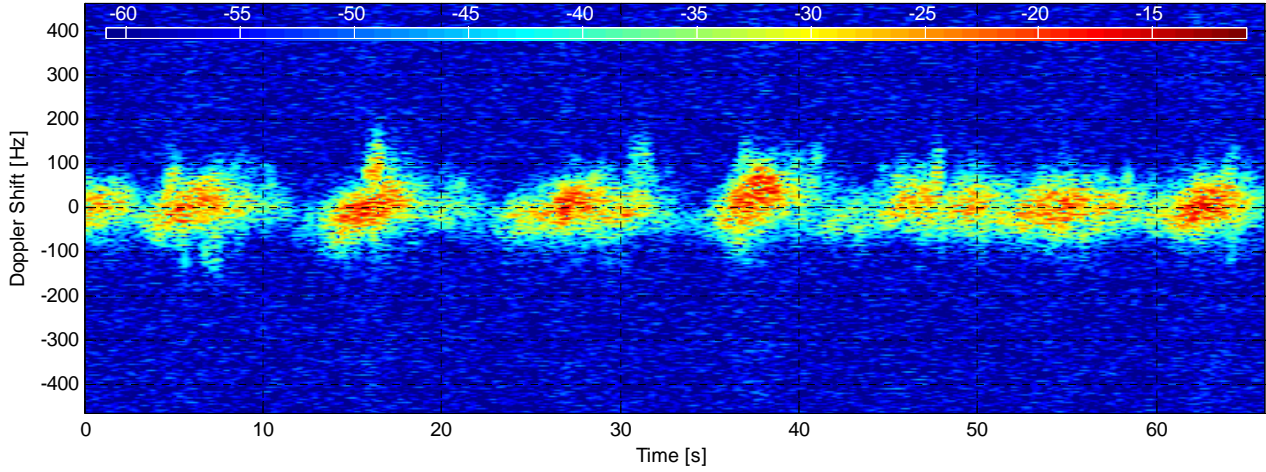
Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15.8 kts, 247.9 deg. N	Grazing Angle	1.06 - 1.15 deg.	Odd Gates Offset	0.75856-3.3849i
Wind Gust	26 kts, 252 deg. N	Antenna Azm.	145.4 - 146.6 deg. N	Even Gates Offset	-0.54011+1.2635i
8hr Avg. Wind	11 kts, 254.2 deg. N	Antenna Elv.	-0.9421 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.38 m, 142.8 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Available	Calibr. Coeff.	188.6 - 192.9 dB



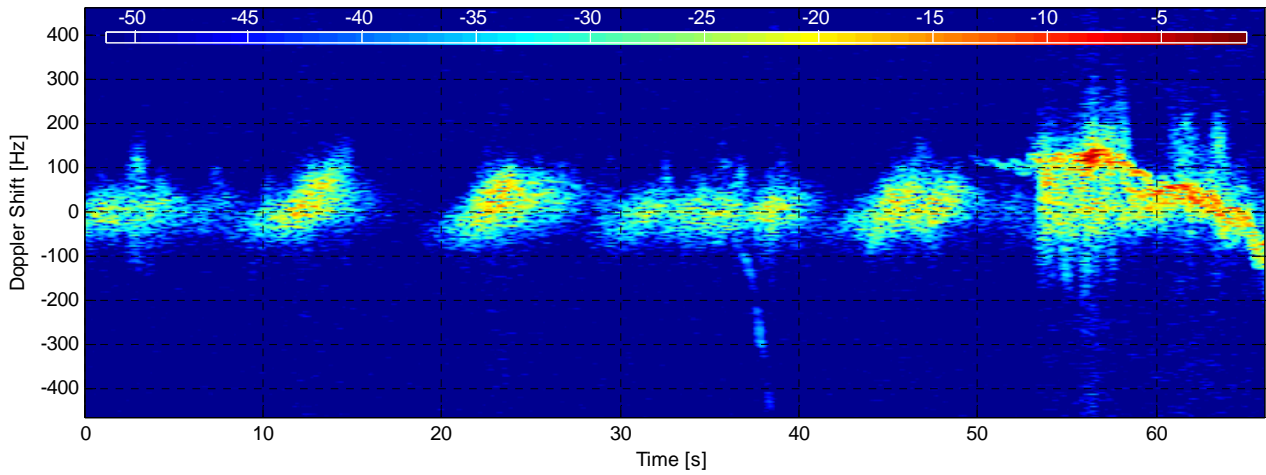
Azimuth Angle for Fynmeet Antenna and Boat - TSC17-004



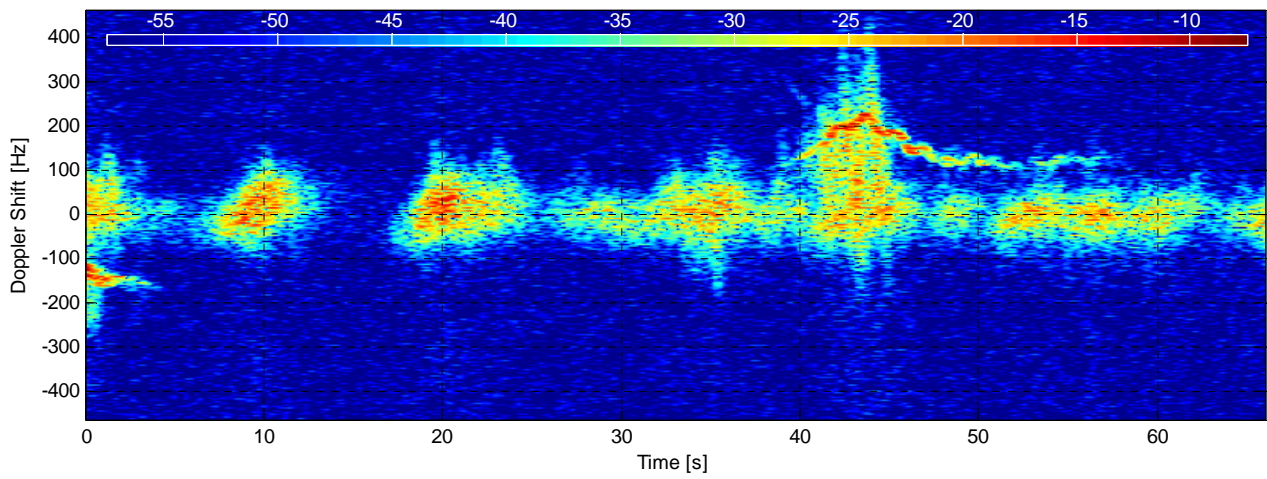
RCS [dBm².Hz⁻¹] at range 3300.625 m (gate 1) for $f_1 = 8.900$ GHz - TSC17-004



RCS [dBm².Hz⁻¹] at range 3450.625 m (gate 11) for $f_1 = 8.900$ GHz - TSC17-004



RCS [$\text{dBm}^2 \cdot \text{Hz}^{-1}$] at range 3480.625 m (gate 13) for $f_1 = 8.900$ GHz - TSC17-004



RCS [$\text{dBm}^2 \cdot \text{Hz}^{-1}$] at range 3510.625 m (gate 15) for $f_1 = 8.900$ GHz - TSC17-004

