

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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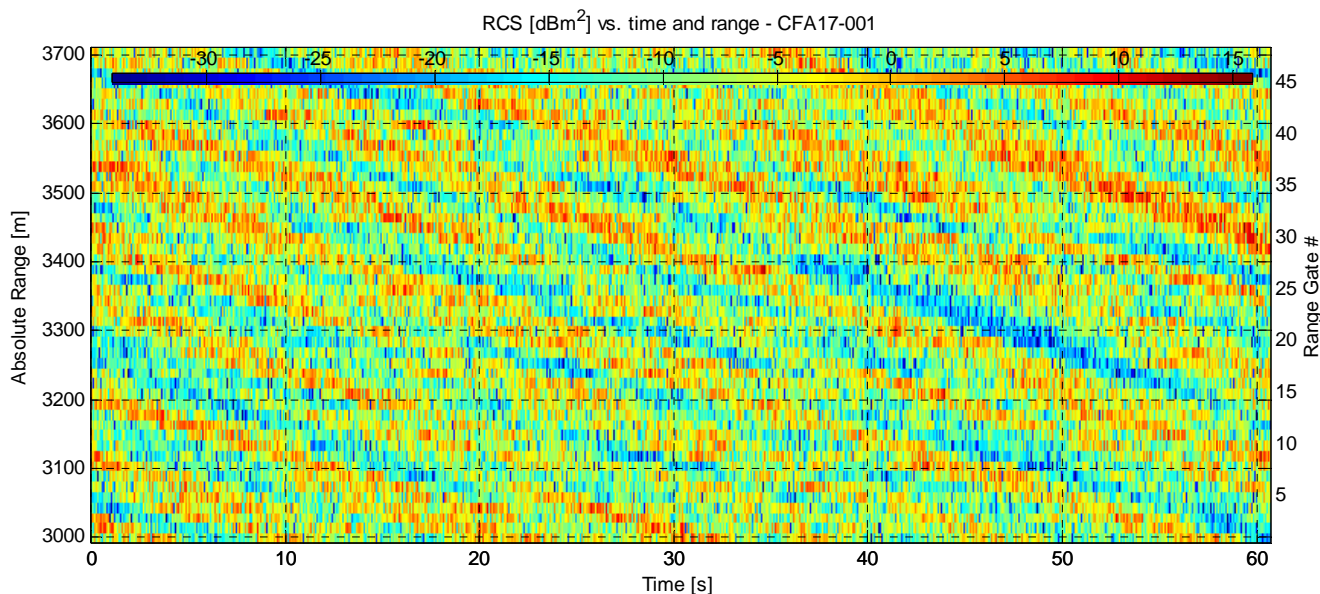
This document provides an overview for the datasets (or subset thereof) recorded on 03-Aug-2006 as part of the Fynmeet Sea Clutter Measurement Trial conducted at the Overberg Test Range at Arniston, South Africa. The trial was conducted over the period from 18 July to 4 August 2006. These datasets have 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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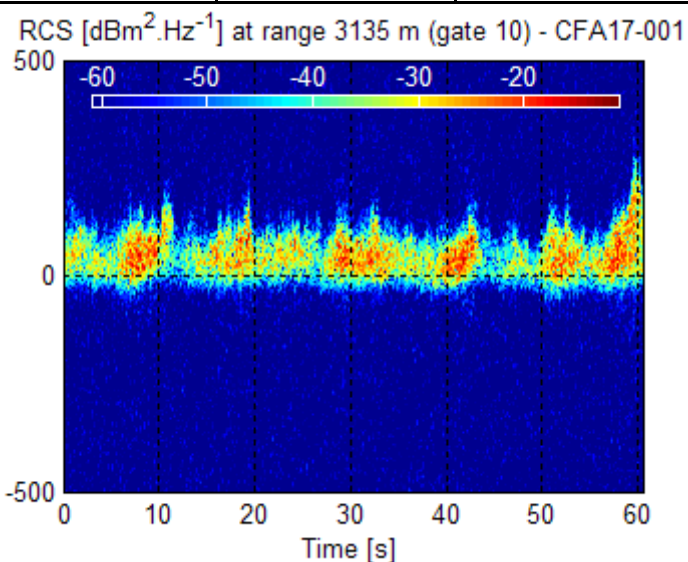
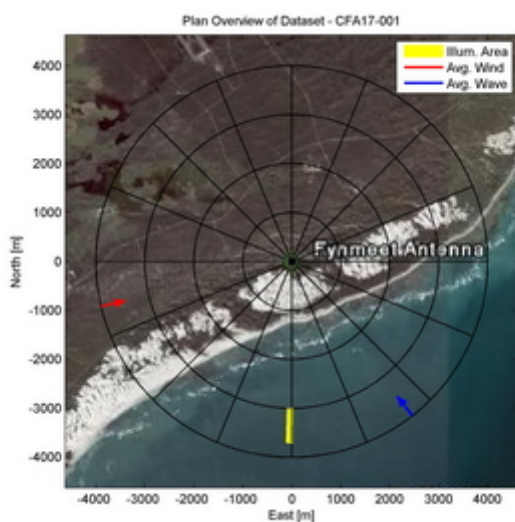
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Dataset CFA17-001

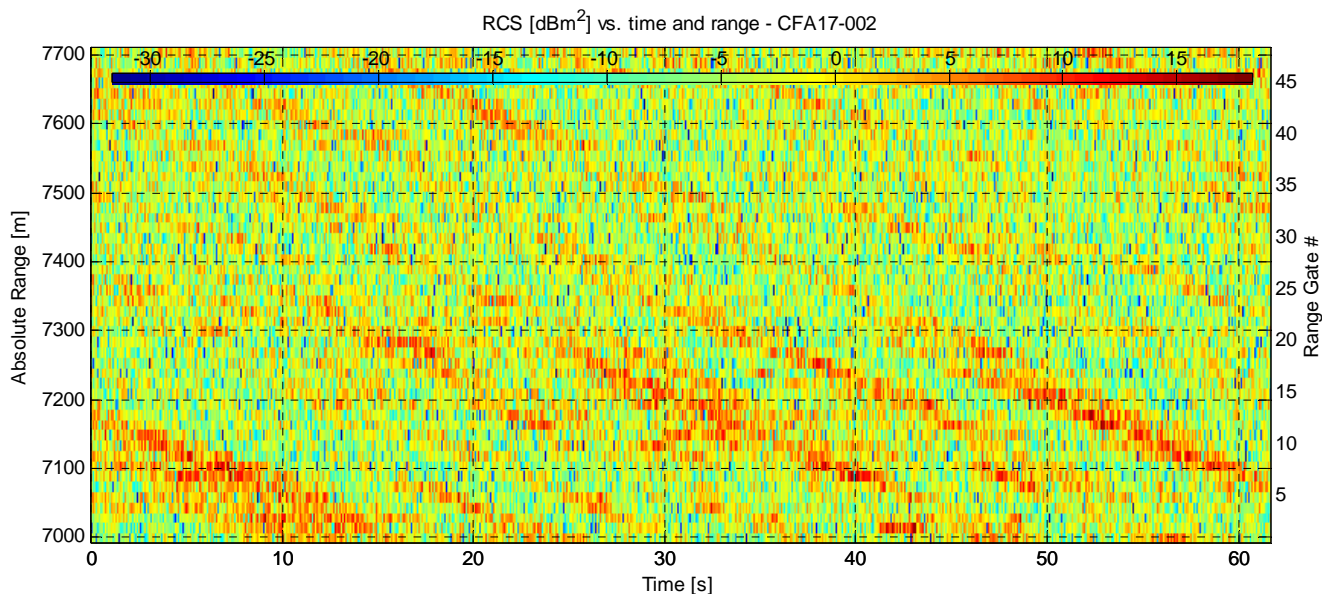


Experiment Summary	Value	Radar Setup	Value
Type	Sea Clutter	Tx Frequency	6.9 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	16:07:28.343	Tracking Range	3000 m
Duration	303315 PRI's (60.6628 s)	Range Extend	720 m (48 gates), 15 m res.
Original File	PF060803.092	Waveform Type	Fixed Frequency
Original Path	\20060803_ifs_paul_contd_3	Waveform Bandwidth	N/A
Processor Version	FMSCP Ver 01.22	Waveform File	SC_Fixed_256BL.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	14.5 kts, 256.8 deg. N	Grazing Angle	1.02 - 1.27 deg.	Odd Gates Offset	5.1578+2.138i
Wind Gust	23.7 kts, 256 deg. N	Antenna Azm.	180.7 deg. N	Even Gates Offset	1.5228-4.5656i
8hr Avg. Wind	13.8 kts, 253.4 deg. N	Antenna Elv.	-1.225 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.31 m, 142 deg. N	Antenna BW.	2 deg. Az, 2 deg. El	Complex Conj.	Applied
		GPS Data	Not applicable	Calibr. Coeff.	187.7 dB

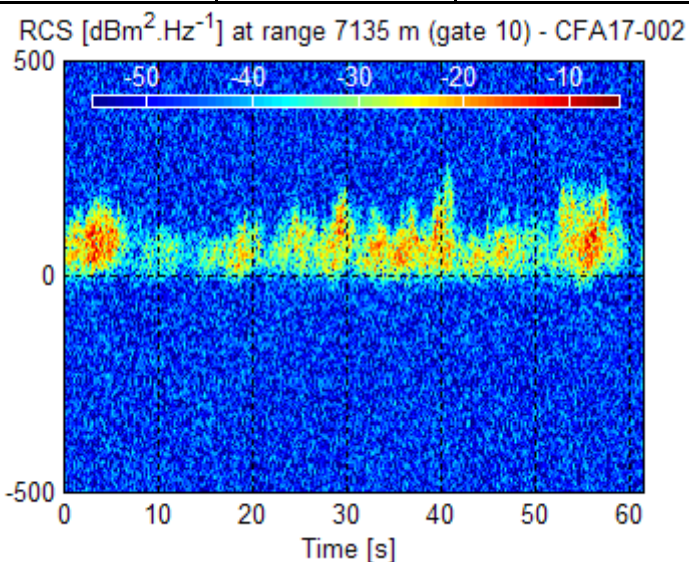
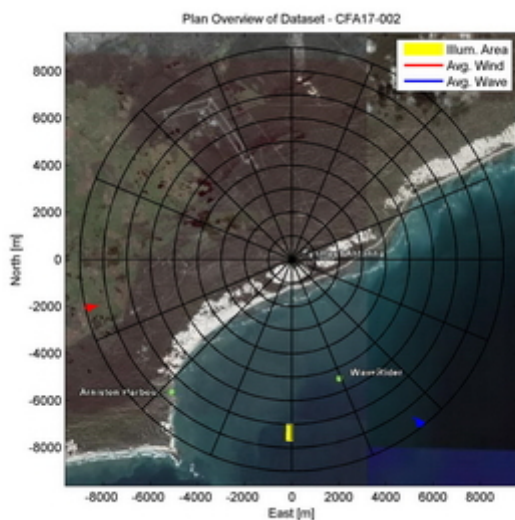


Dataset CFA17-002

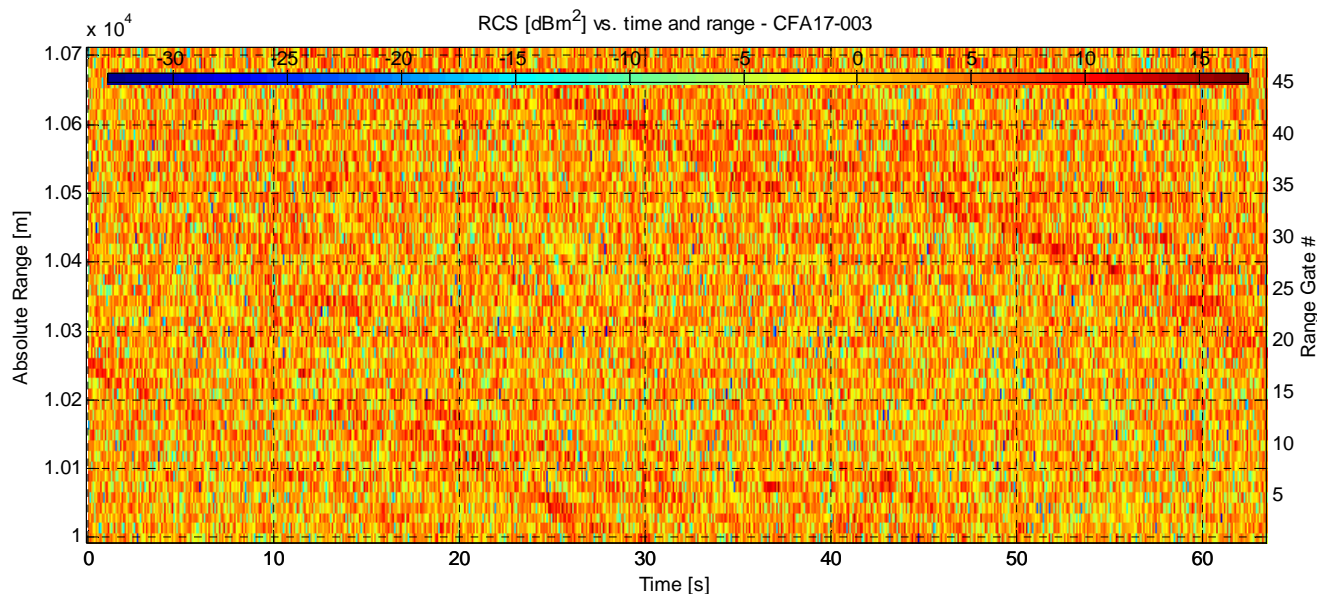


Experiment Summary	Value	Radar Setup	Value
Type	Sea Clutter	Tx Frequency	6.9 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	16:08:54.156	Tracking Range	7000 m
Duration	308103 PRI's (61.6204 s)	Range Extend	720 m (48 gates), 15 m res.
Original File	PF060803.093	Waveform Type	Fixed Frequency
Original Path	\20060803_ifs_paul_contd_3	Waveform Bandwidth	N/A
Processor Version	FMSCP Ver 01.22	Waveform File	SC_Fixed_256BL.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	14.4 kts, 256.7 deg. N	Grazing Angle	0.472 - 0.525 deg.	Odd Gates Offset	5.1441+1.7438i
Wind Gust	23.7 kts, 256 deg. N	Antenna Azm.	180.7 deg. N	Even Gates Offset	1.0686-4.7082i
8hr Avg. Wind	13.8 kts, 253.4 deg. N	Antenna Elv.	-1.225 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.31 m, 142 deg. N	Antenna BW.	2 deg. Az, 2 deg. El	Complex Conj.	Applied
		GPS Data	Not applicable	Calibr. Coeff.	187.7 dB

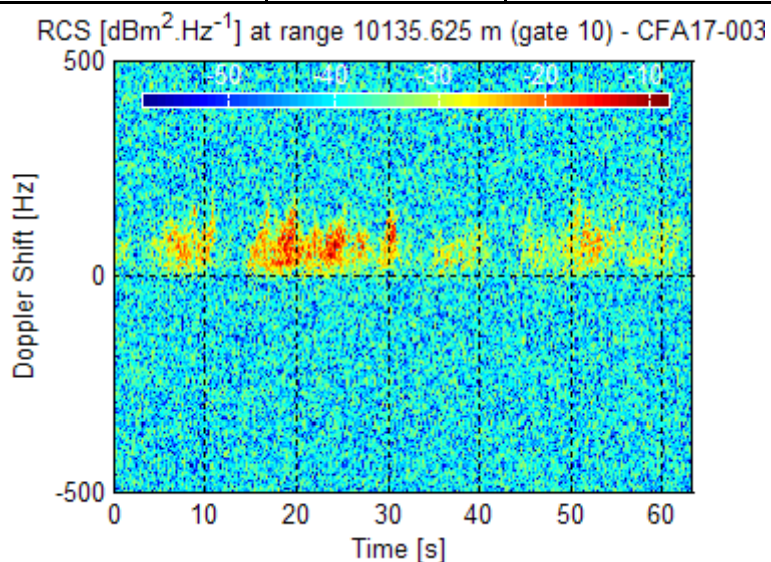
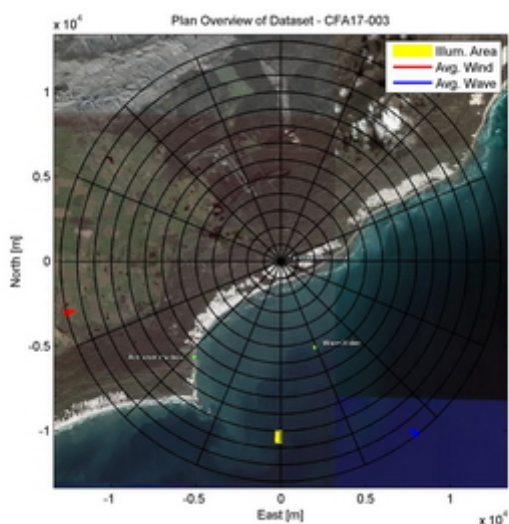


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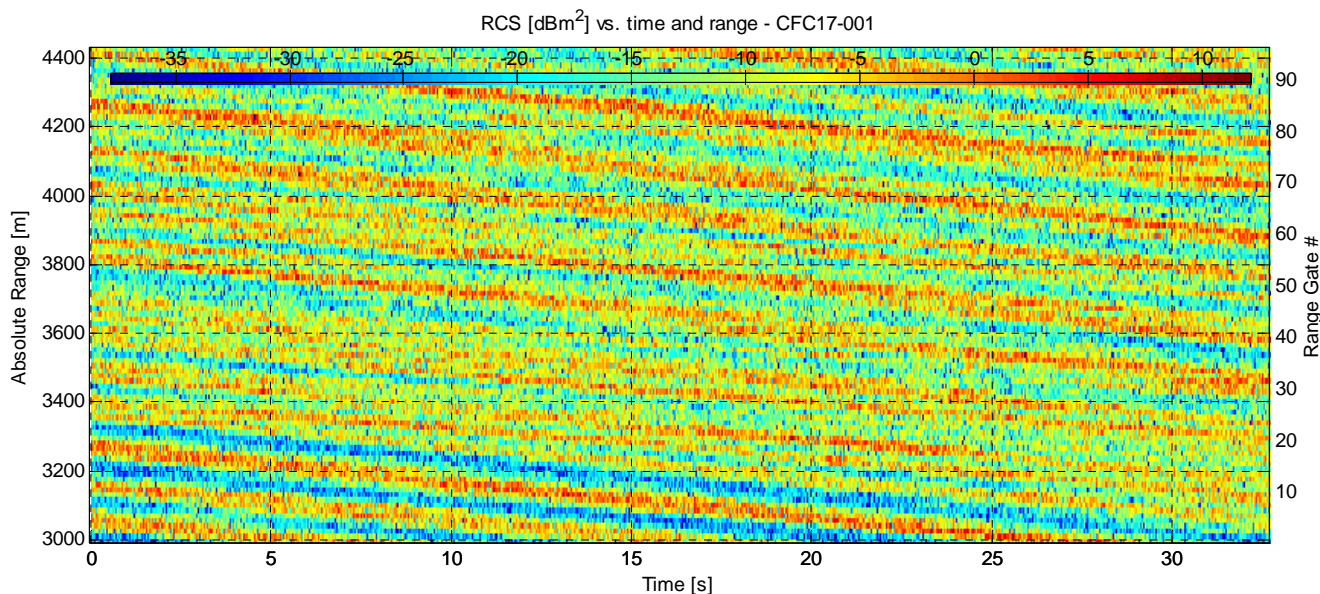


Experiment Summary	Value	Radar Setup	Value
Type	Sea Clutter	Tx Frequency	6.9 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	16:10:11.968	Tracking Range	10000.6 m
Duration	317451 PRI's (63.49 s)	Range Extend	720 m (48 gates), 15 m res.
Original File	PF060803.094	Waveform Type	Fixed Frequency
Original Path	\\20060803_ifs_paul_contd_3	Waveform Bandwidth	N/A
Processor Version	FMSCP Ver 01.22	Waveform File	SC_Fixed_256BL.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	14.4 kts, 256.6 deg. N	Grazing Angle	0.323 - 0.35 deg.	Odd Gates Offset	1.3592-4.387i
Wind Gust	23.7 kts, 256 deg. N	Antenna Azm.	180.7 deg. N	Even Gates Offset	5.4819+2.0516i
8hr Avg. Wind	13.8 kts, 253.4 deg. N	Antenna Elv.	-1.219 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.3 m, 142 deg. N	Antenna BW.	2 deg. Az, 2 deg. El	Complex Conj.	Applied
		GPS Data	Not applicable	Calibr. Coeff.	187.7 dB

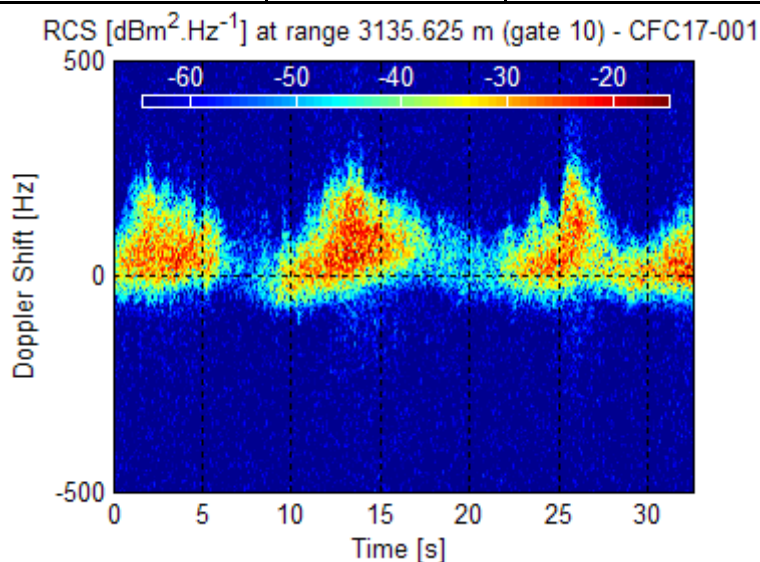
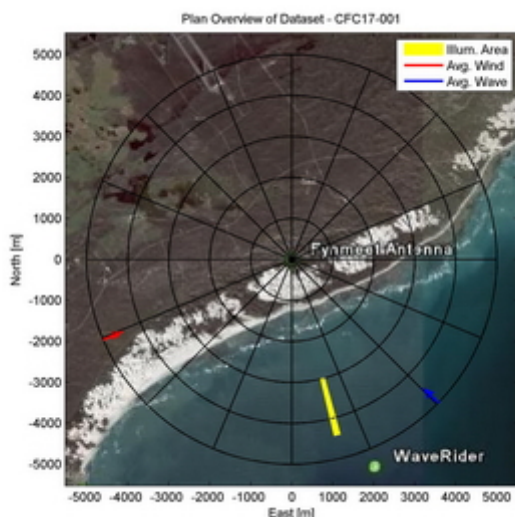


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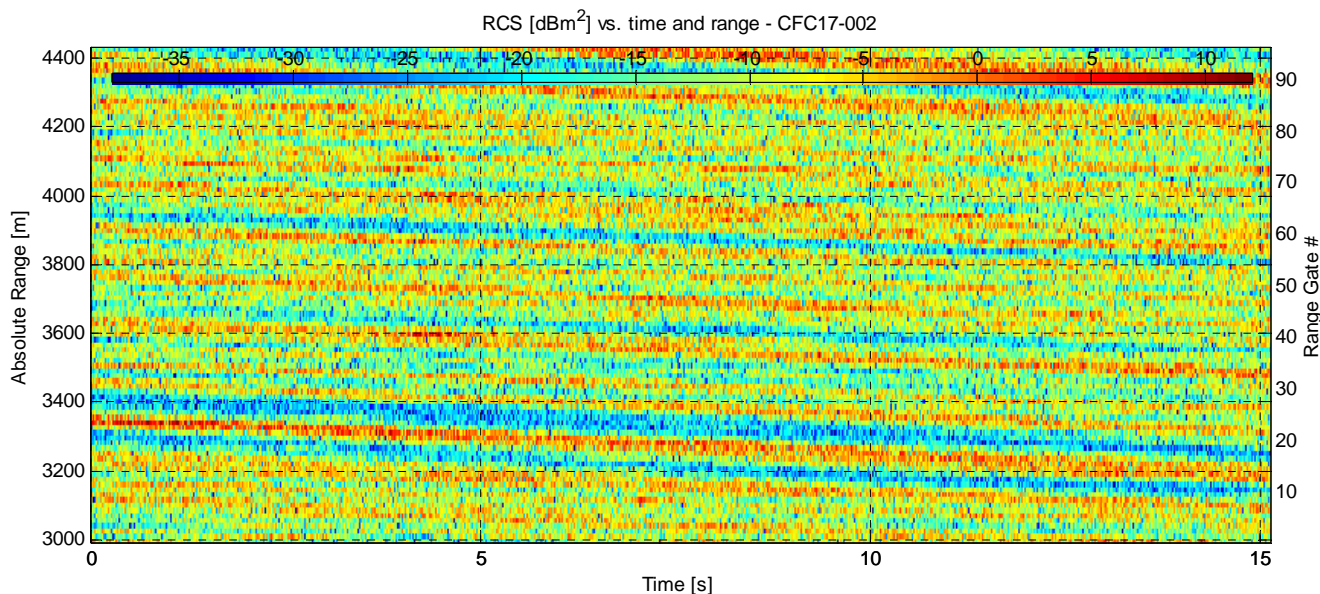


Experiment Summary	Value	Radar Setup	Value
Type	Sea Clutter	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	13:20:23.578	Tracking Range	3000.63 m
Duration	163520 PRI's (32.7038 s)	Range Extend	1440 m (96 gates), 15 m res.
Original File	PF060803.024	Waveform Type	Fixed Frequency
Original Path	\\20060803_ifs_paul_contd_2	Waveform Bandwidth	N/A
Processor Version	FMSCP Ver 01.22	Waveform File	SC_Fixed_256BL.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15.5 kts, 246.9 deg. N	Grazing Angle	0.853 - 1.27 deg.	Odd Gates Offset	0.72087-2.65i
Wind Gust	29.2 kts, 246 deg. N	Antenna Azm.	165.5 deg. N	Even Gates Offset	-0.35394+1.9005i
8hr Avg. Wind	11.4 kts, 254.7 deg. N	Antenna Elv.	-1.06 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.22 m, 134.5 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Not applicable	Calibr. Coeff.	190.9 dB

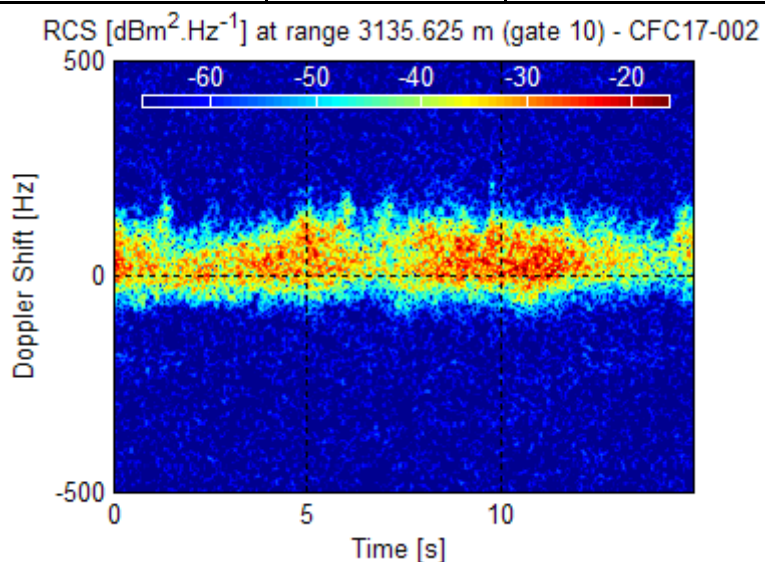
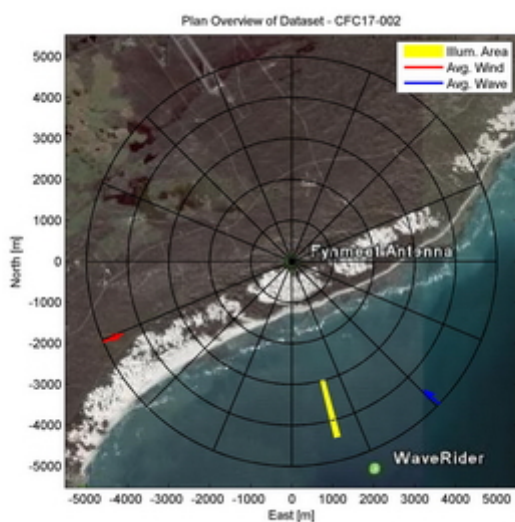


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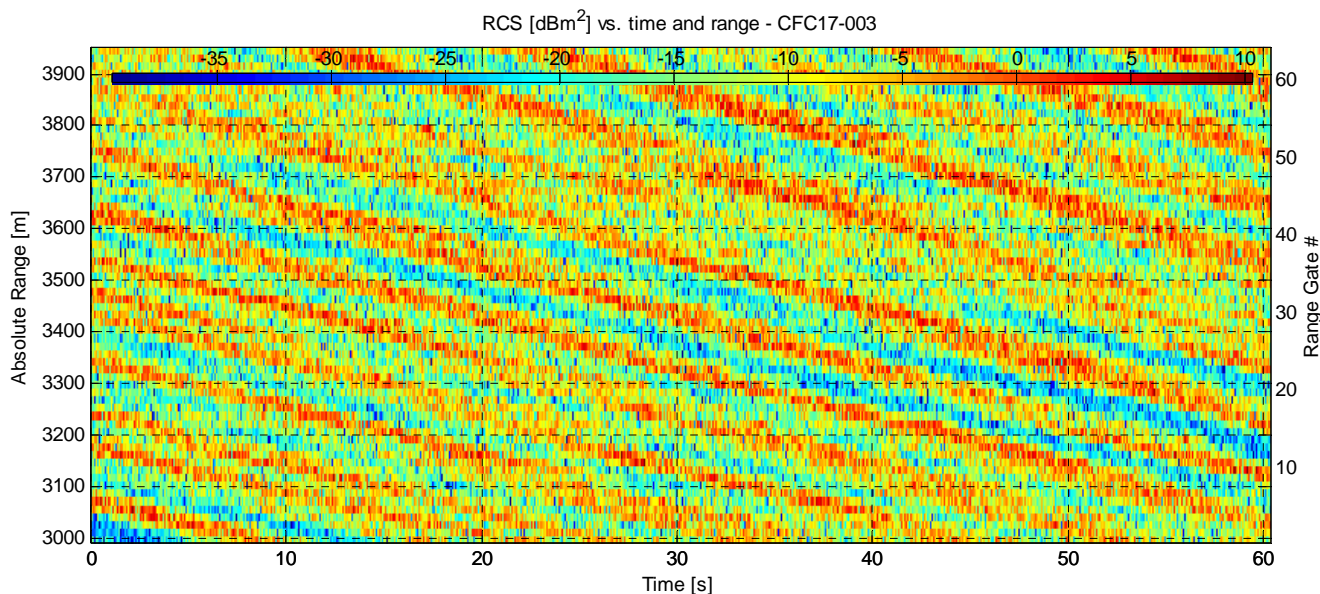


Experiment Summary	Value	Radar Setup	Value
Type	Sea Clutter	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	13:21:29.000	Tracking Range	3000.63 m
Duration	75640 PRI's (15.1278 s)	Range Extend	1440 m (96 gates), 15 m res.
Original File	PF060803.026	Waveform Type	Fixed Frequency
Original Path	\\20060803_ifs_paul_contd_2	Waveform Bandwidth	N/A
Processor Version	FMSCP Ver 01.22	Waveform File	SC_Fixed_256BL.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15.5 kts, 246.8 deg. N	Grazing Angle	0.853 - 1.27 deg.	Odd Gates Offset	0.31249-2.7874i
Wind Gust	29.2 kts, 246 deg. N	Antenna Azm.	165.5 deg. N	Even Gates Offset	-0.027399+1.9424i
8hr Avg. Wind	11.4 kts, 254.7 deg. N	Antenna Elv.	-1.06 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.22 m, 134.3 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Not applicable	Calibr. Coeff.	190.9 dB

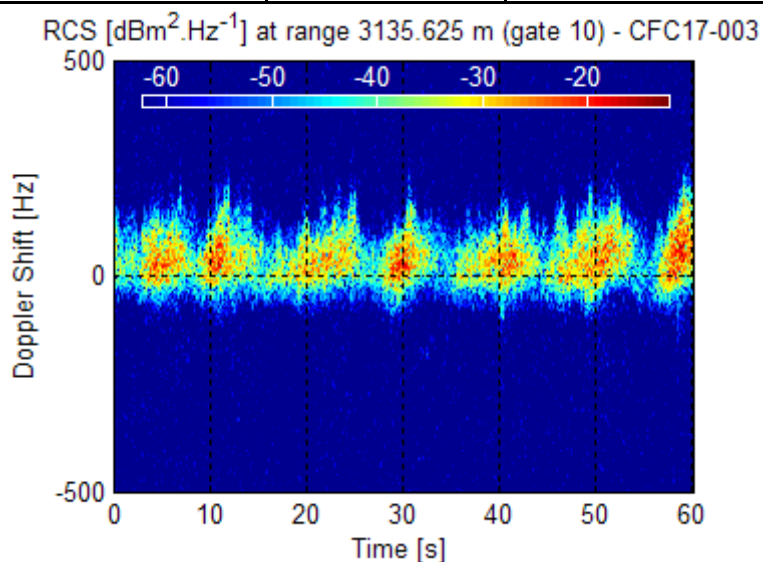
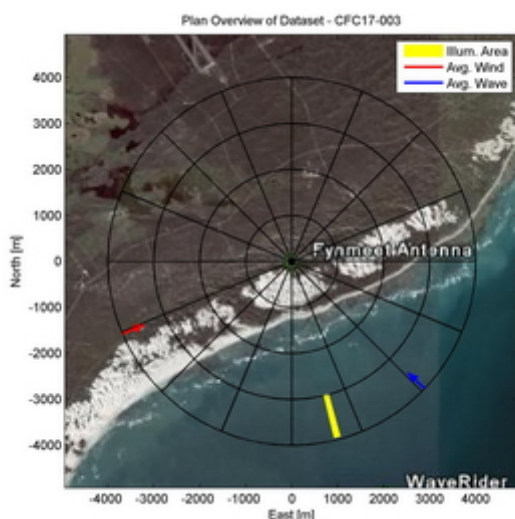


Dataset CFC17-003

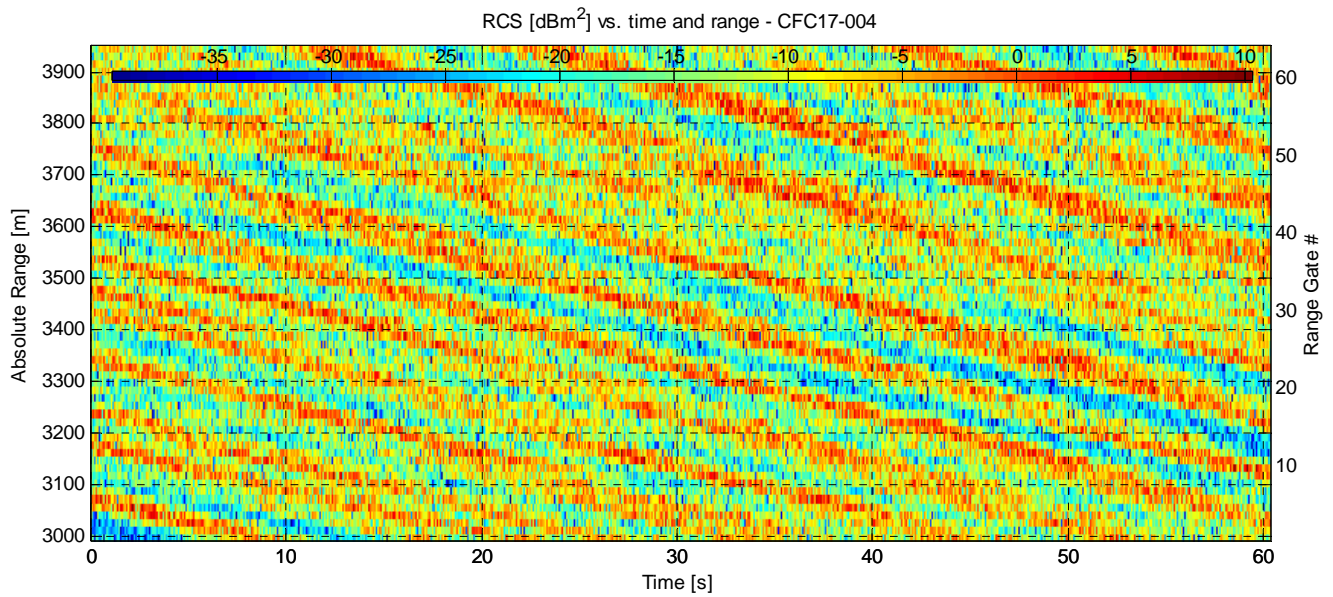


Experiment Summary	Value	Radar Setup	Value
Type	Sea Clutter	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	13:22:06.828	Tracking Range	3000.63 m
Duration	301672 PRI's (60.3342 s)	Range Extend	960 m (64 gates), 15 m res.
Original File	PF060803.027	Waveform Type	Fixed Frequency
Original Path	\20060803_ifs_paul_contd_2	Waveform Bandwidth	N/A
Processor Version	FMSCP Ver 01.22	Waveform File	SC_Fixed_256BL.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15.5 kts, 246.8 deg. N	Grazing Angle	0.96 - 1.27 deg.	Odd Gates Offset	0.56031-2.7491i
Wind Gust	29.2 kts, 246 deg. N	Antenna Azm.	165.5 deg. N	Even Gates Offset	-0.09165+1.5911i
8hr Avg. Wind	11.4 kts, 254.7 deg. N	Antenna Elv.	-1.057 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.21 m, 134 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Not applicable	Calibr. Coeff.	190.9 dB

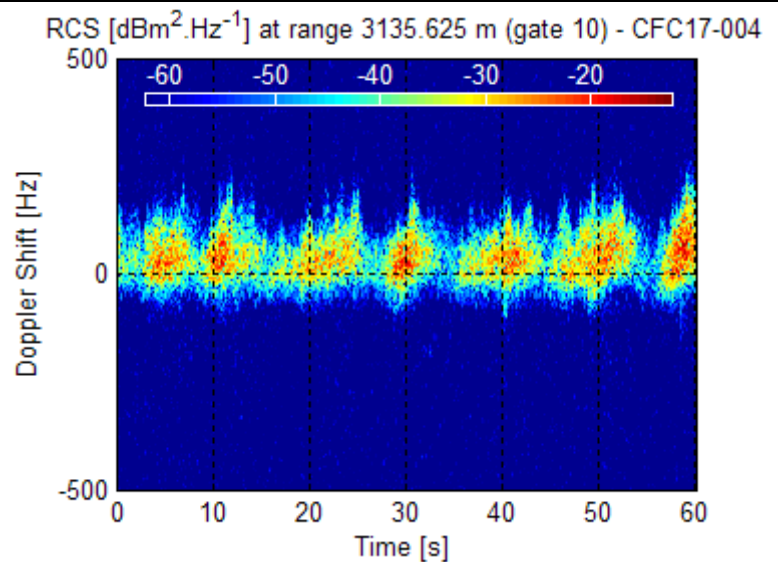
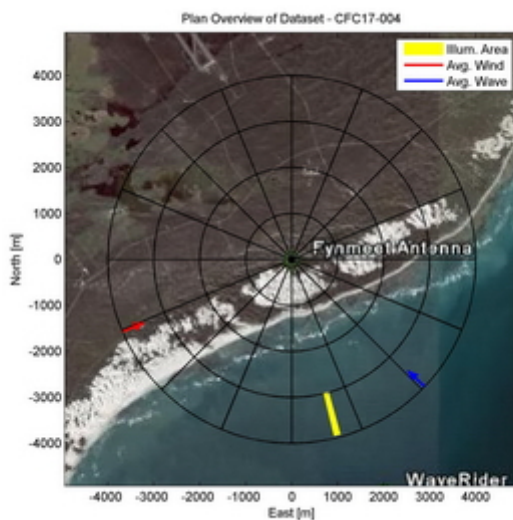


Dataset CFC17-004

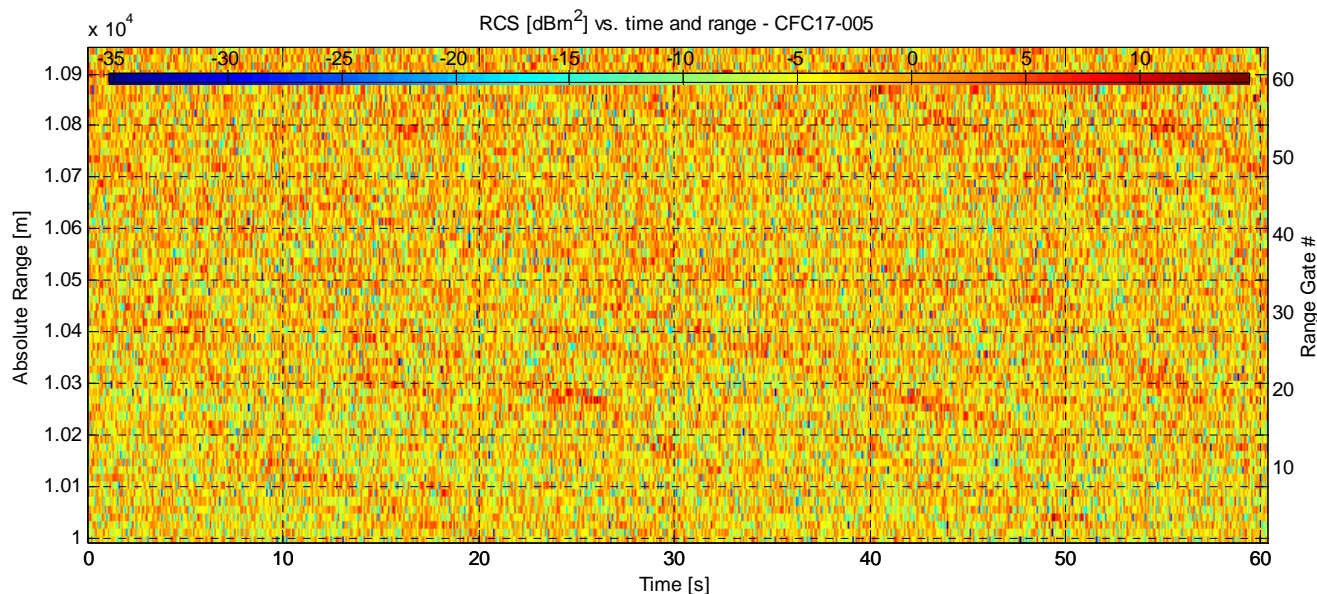


Experiment Summary	Value	Radar Setup	Value
Type	Sea Clutter	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	13:22:06.828	Tracking Range	3000.63 m
Duration	301672 PRI's (60.3342 s)	Range Extend	960 m (64 gates), 15 m res.
Original File	PF060803.027	Waveform Type	Fixed Frequency
Original Path	\20060803_ifs_paul_contd_2	Waveform Bandwidth	N/A
Processor Version	FMSCP Ver 01.22	Waveform File	SC_Fixed_256BL.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15.5 kts, 246.8 deg. N	Grazing Angle	0.96 - 1.27 deg.	Odd Gates Offset	0.56031-2.7491i
Wind Gust	29.2 kts, 246 deg. N	Antenna Azm.	165.5 deg. N	Even Gates Offset	-0.09165+1.5911i
8hr Avg. Wind	11.4 kts, 254.7 deg. N	Antenna Elv.	-1.057 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.21 m, 134 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Not applicable	Calibr. Coeff.	190.9 dB

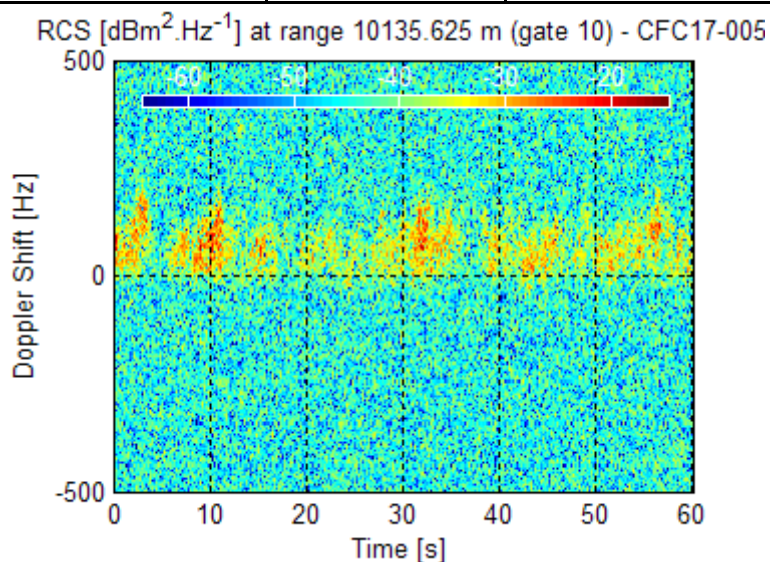
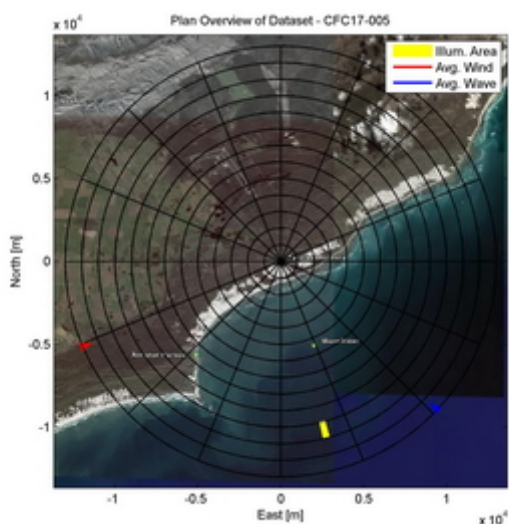


Dataset CFC17-005

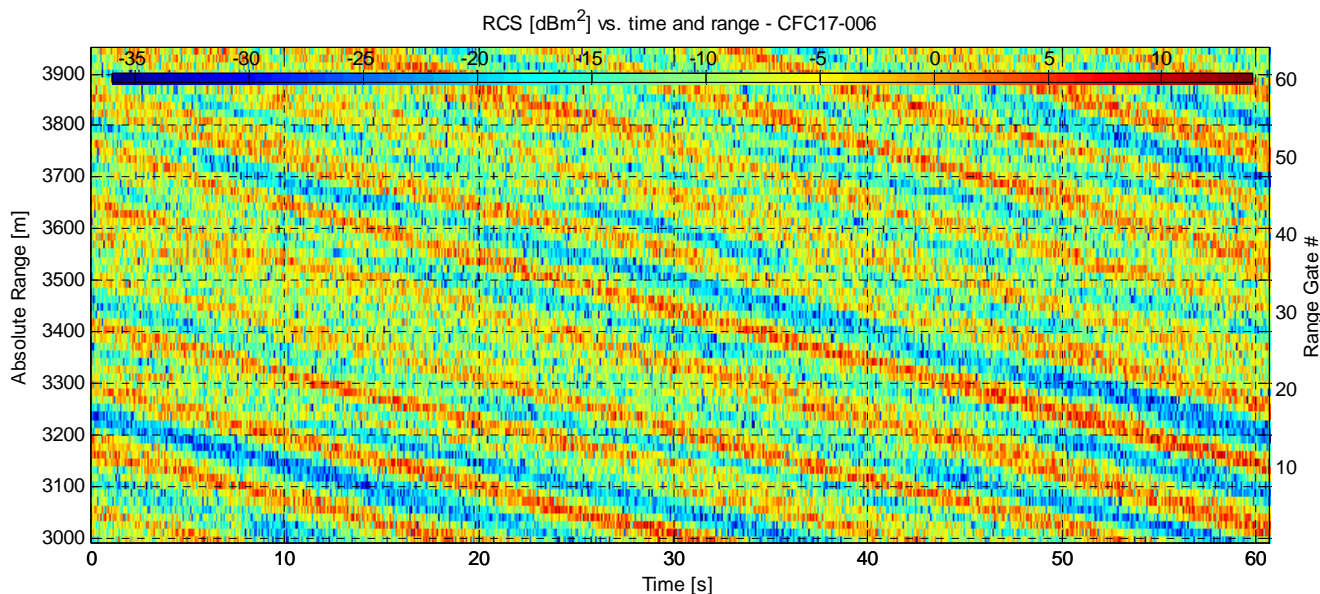


Experiment Summary	Value	Radar Setup	Value
Type	Sea Clutter	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	13:24:51.734	Tracking Range	10000.6 m
Duration	301447 PRI's (60.2892 s)	Range Extend	960 m (64 gates), 15 m res.
Original File	PF060803.029	Waveform Type	Fixed Frequency
Original Path	\\20060803_ifs_paul_contd_2	Waveform Bandwidth	N/A
Processor Version	FMSCP Ver 01.22	Waveform File	SC_Fixed_256BL.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15.5 kts, 246.7 deg. N	Grazing Angle	0.314 - 0.35 deg.	Odd Gates Offset	-0.20842+1.9058i
Wind Gust	29.2 kts, 246 deg. N	Antenna Azm.	165.5 deg. N	Even Gates Offset	0.87278-2.6457i
8hr Avg. Wind	11.4 kts, 254.7 deg. N	Antenna Elv.	-1.068 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.19 m, 133.6 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Not applicable	Calibr. Coeff.	190.9 dB

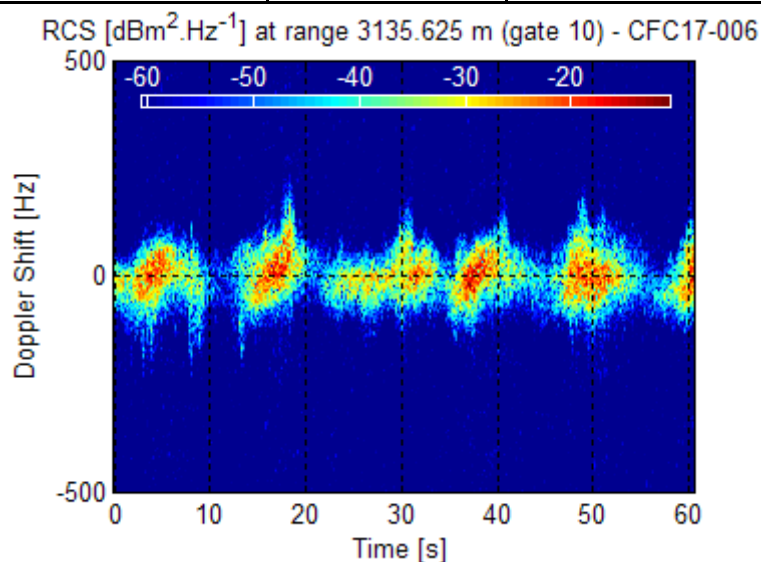
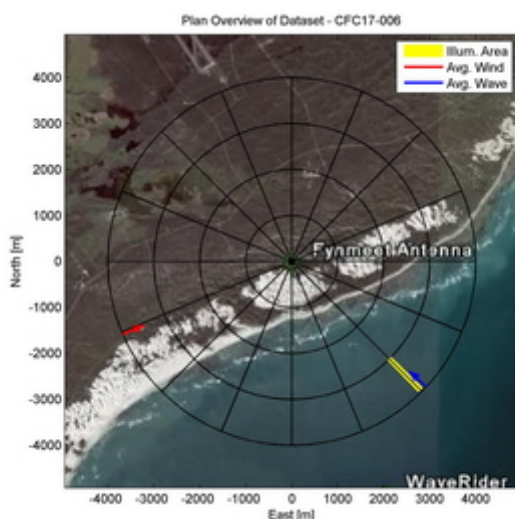


Dataset CFC17-006

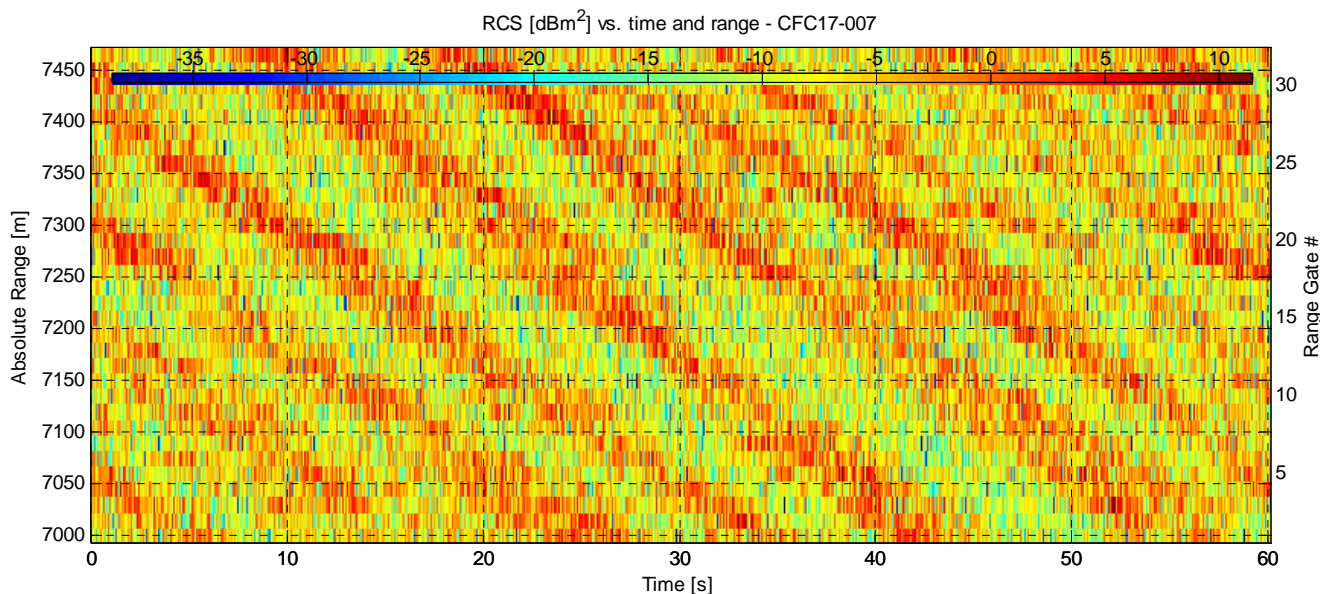


Experiment Summary	Value	Radar Setup	Value
Type	Sea Clutter	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	13:27:01.718	Tracking Range	3000.63 m
Duration	303407 PRI's (60.6812 s)	Range Extend	960 m (64 gates), 15 m res.
Original File	PF060803.030	Waveform Type	Fixed Frequency
Original Path	\\20060803_ifs_paul_contd_2	Waveform Bandwidth	N/A
Processor Version	FMSCP Ver 01.22	Waveform File	SC_Fixed_256BL.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15.5 kts, 246.6 deg. N	Grazing Angle	0.96 - 1.27 deg.	Odd Gates Offset	1.1089-3.1576i
Wind Gust	29.2 kts, 246 deg. N	Antenna Azm.	134.9 deg. N	Even Gates Offset	-0.71287+1.9417i
8hr Avg. Wind	11.5 kts, 254.7 deg. N	Antenna Elv.	-1.126 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.18 m, 133.2 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Not applicable	Calibr. Coeff.	190.9 dB

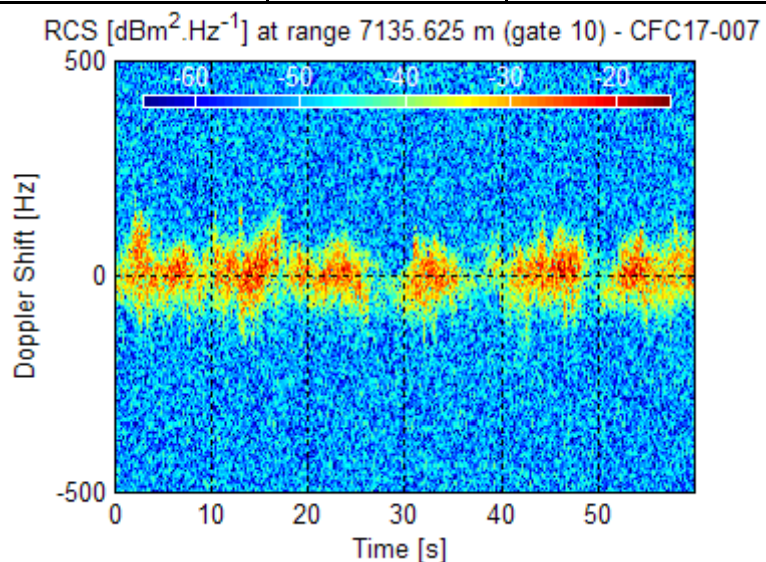
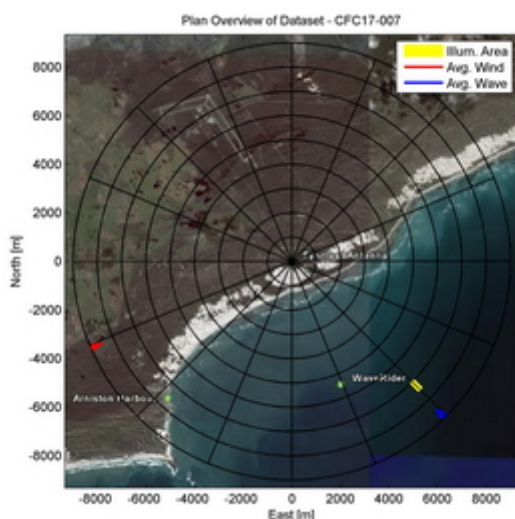


Dataset CFC17-007

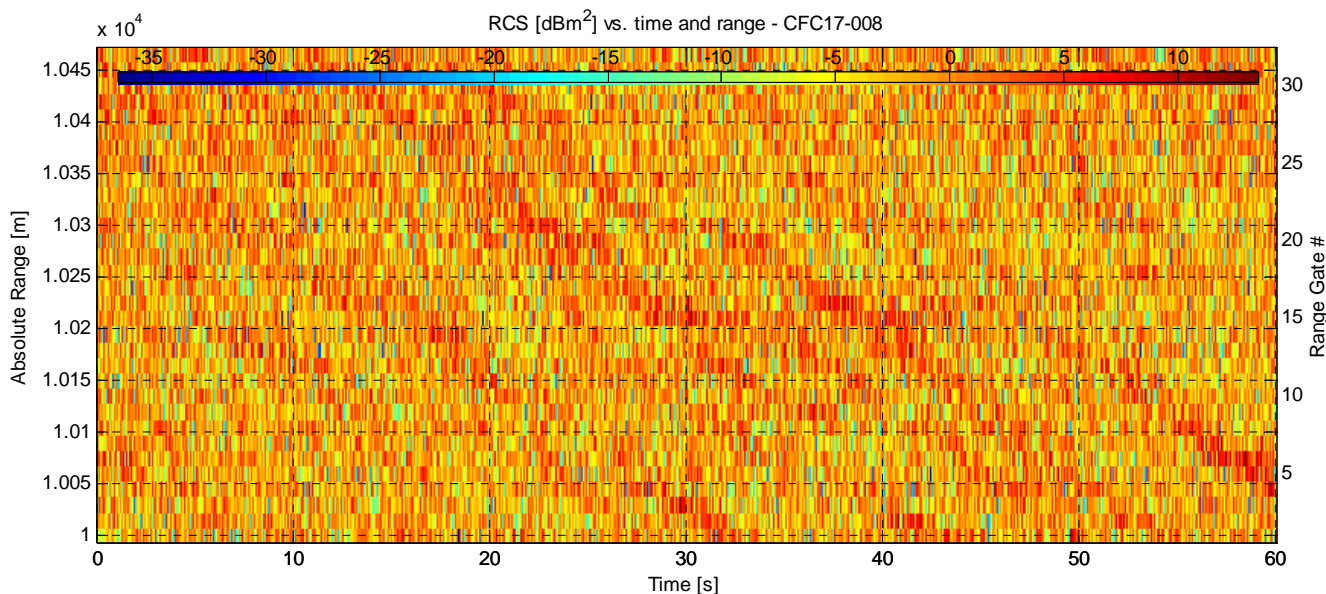


Experiment Summary	Value	Radar Setup	Value
Type	Sea Clutter	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	13:38:02.390	Tracking Range	7000.63 m
Duration	300382 PRI's (60.0762 s)	Range Extend	480 m (32 gates), 15 m res.
Original File	PF060803.039	Waveform Type	Fixed Frequency
Original Path	\20060803_ifs_paul_contd_2	Waveform Bandwidth	N/A
Processor Version	FMSCP Ver 01.22	Waveform File	SC_Fixed_256BL.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15.4 kts, 246.6 deg. N	Grazing Angle	0.489 - 0.525 deg.	Odd Gates Offset	5.7201-3.0675i
Wind Gust	29.2 kts, 246 deg. N	Antenna Azm.	134.9 deg. N	Even Gates Offset	-0.19525-0.56619i
8hr Avg. Wind	11.7 kts, 254.7 deg. N	Antenna Elv.	-1.126 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.2 m, 135.1 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Not applicable	Calibr. Coeff.	190.9 dB

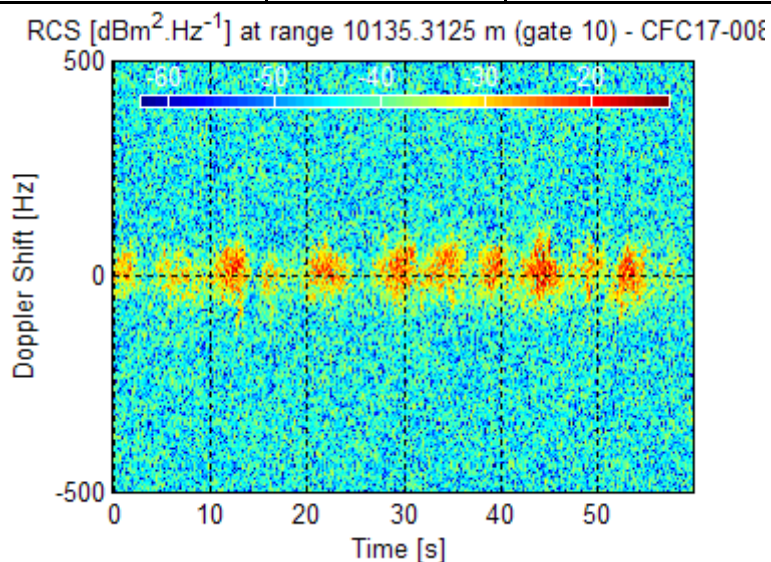
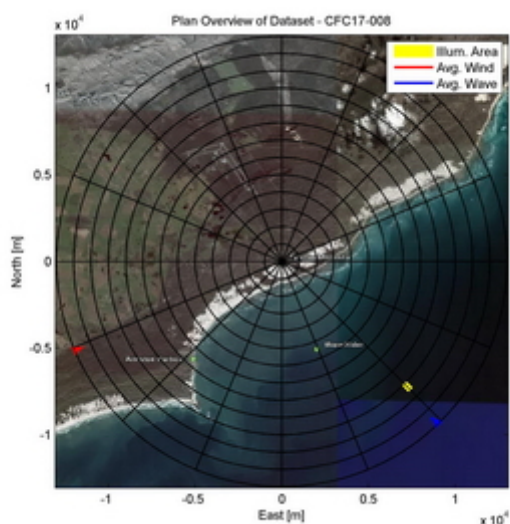


Dataset CFC17-008

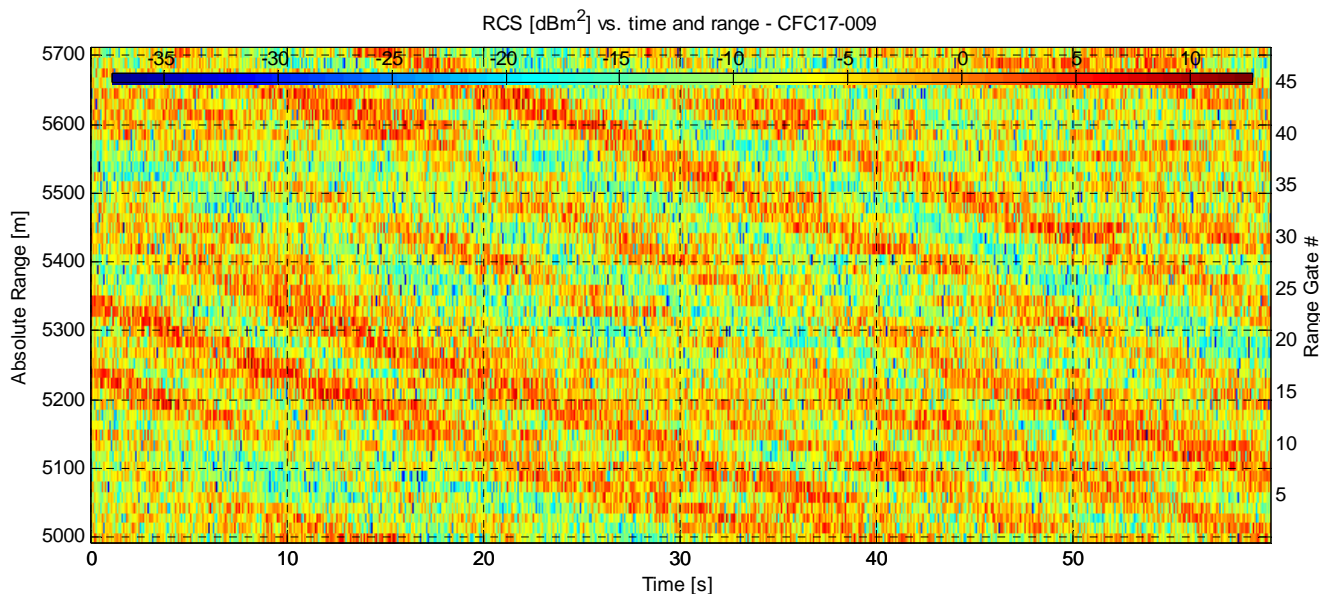


Experiment Summary	Value	Radar Setup	Value
Type	Sea Clutter	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	13:39:20.460	Tracking Range	10000.3 m
Duration	299935 PRI's (59.9868 s)	Range Extend	480 m (32 gates), 15 m res.
Original File	PF060803.040	Waveform Type	Fixed Frequency
Original Path	\\20060803_ifs_paul_contd_2	Waveform Bandwidth	N/A
Processor Version	FMSCP Ver 01.22	Waveform File	SC_Fixed_256BL.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15.4 kts, 246.6 deg. N	Grazing Angle	0.332 - 0.35 deg.	Odd Gates Offset	5.8411-3.3057i
Wind Gust	29.2 kts, 246 deg. N	Antenna Azm.	134.9 deg. N	Even Gates Offset	-0.12014-0.57778i
8hr Avg. Wind	11.7 kts, 254.7 deg. N	Antenna Elv.	-1.132 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.21 m, 135.6 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Not applicable	Calibr. Coeff.	190.9 dB

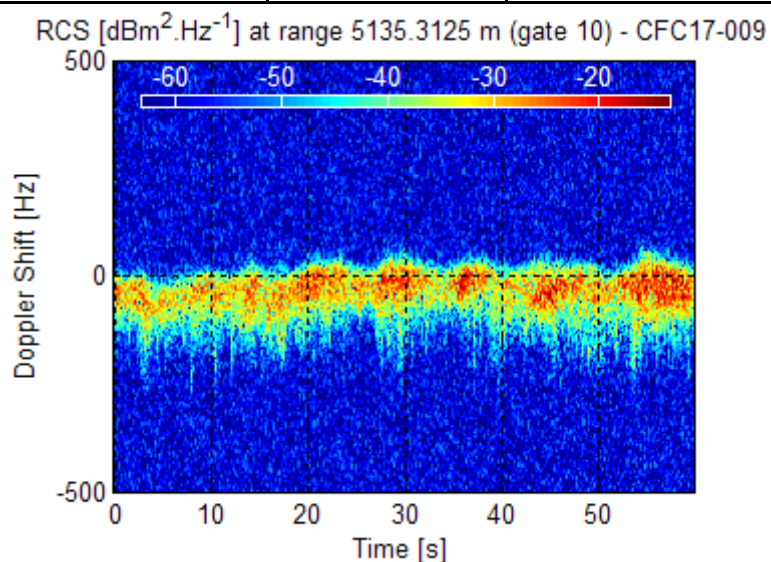
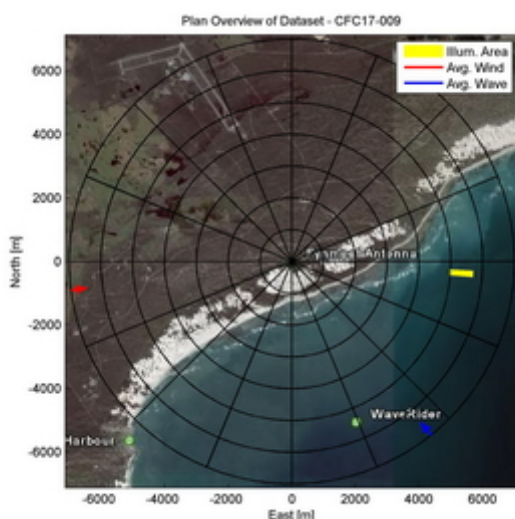


Dataset CFC17-009

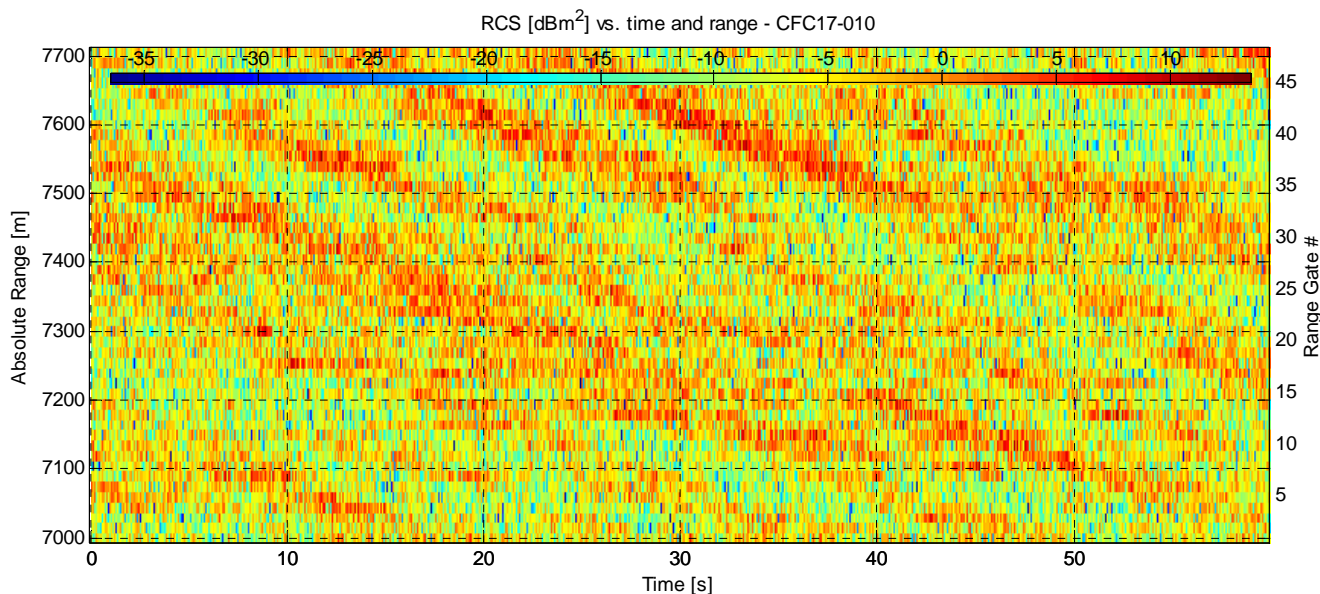


Experiment Summary	Value	Radar Setup	Value
Type	Sea Clutter	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	14:45:07.937	Tracking Range	5000.31 m
Duration	299819 PRI's (59.9636 s)	Range Extend	720 m (48 gates), 15 m res.
Original File	PF060803.079	Waveform Type	Fixed Frequency
Original Path	\\20060803_ifs_paul_contd_2	Waveform Bandwidth	N/A
Processor Version	FMSCP Ver 01.22	Waveform File	SC_Fixed_256BL.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15 kts, 262.3 deg. N	Grazing Angle	0.654 - 0.751 deg.	Odd Gates Offset	5.6647-2.8926i
Wind Gust	26 kts, 264 deg. N	Antenna Azm.	93.95 deg. N	Even Gates Offset	-0.21427-0.71399i
8hr Avg. Wind	12.9 kts, 253.2 deg. N	Antenna Elv.	-0.4861 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.37 m, 141.3 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Not applicable	Calibr. Coeff.	190.9 dB

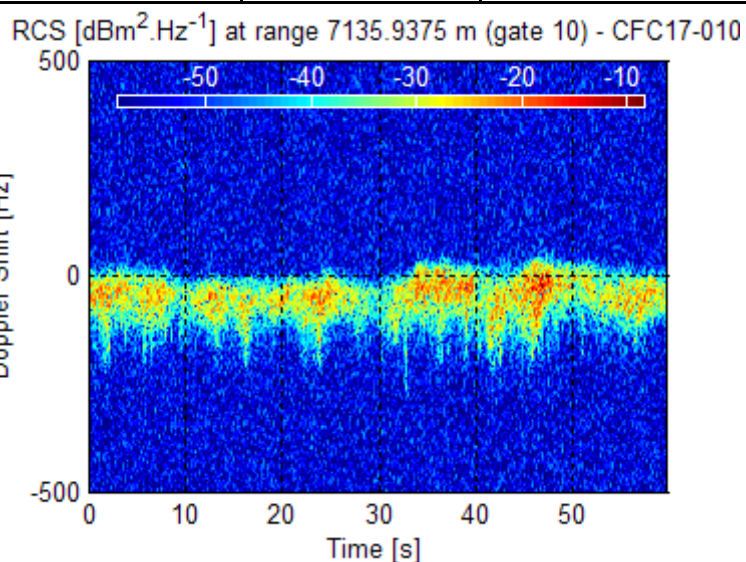
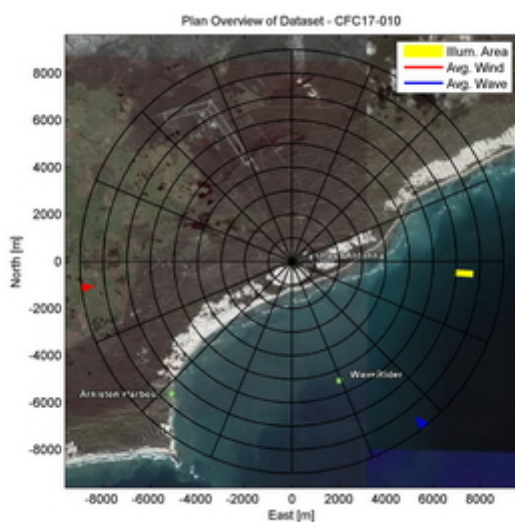


Dataset CFC17-010

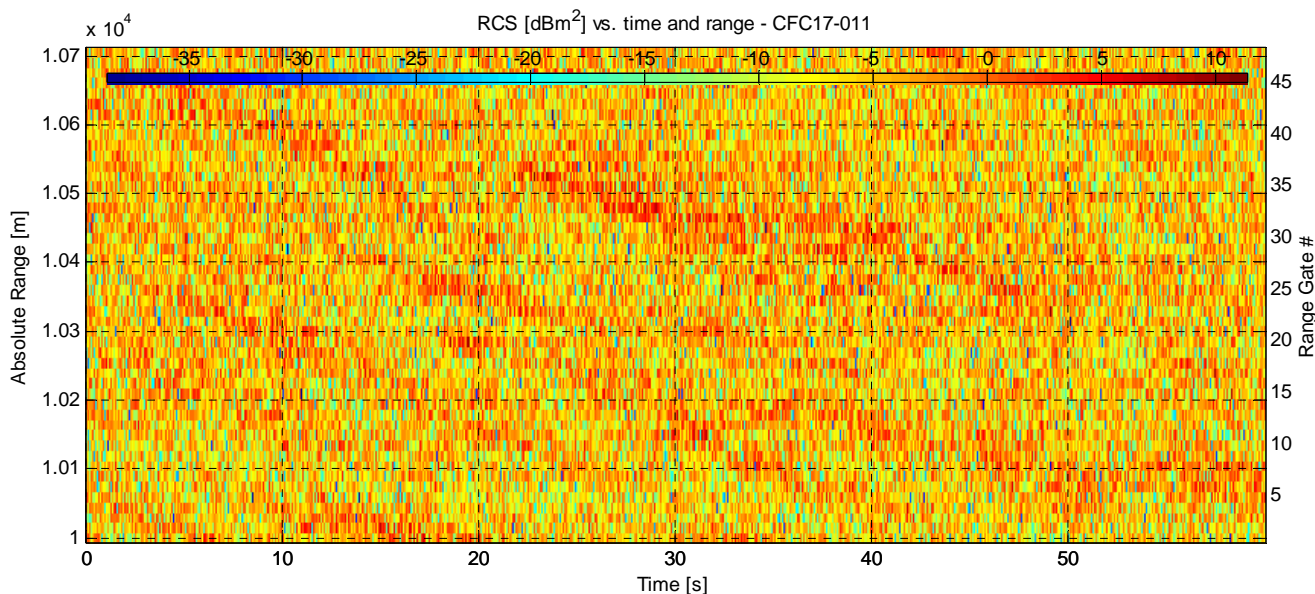


Experiment Summary	Value	Radar Setup	Value
Type	Sea Clutter	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	14:46:43.421	Tracking Range	7000.94 m
Duration	299745 PRI's (59.9488 s)	Range Extend	720 m (48 gates), 15 m res.
Original File	PF060803.080	Waveform Type	Fixed Frequency
Original Path	\\20060803_ifs_paul_contd_2	Waveform Bandwidth	N/A
Processor Version	FMSCP Ver 01.22	Waveform File	SC_Fixed_256BL.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15 kts, 262.6 deg. N	Grazing Angle	0.472 - 0.525 deg.	Odd Gates Offset	0.0052746-0.44726i
Wind Gust	26 kts, 264 deg. N	Antenna Azm.	93.95 deg. N	Even Gates Offset	5.7447-3.3951i
8hr Avg. Wind	12.9 kts, 253.2 deg. N	Antenna Elv.	-0.4807 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.38 m, 141.3 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Not applicable	Calibr. Coeff.	190.9 dB

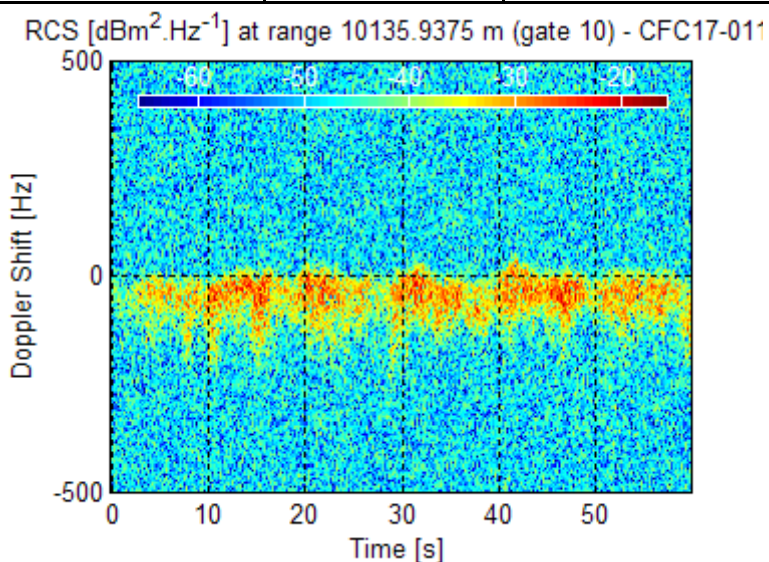
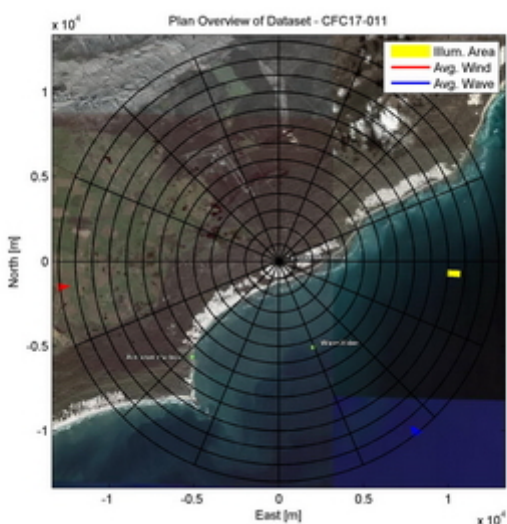


Dataset CFC17-011

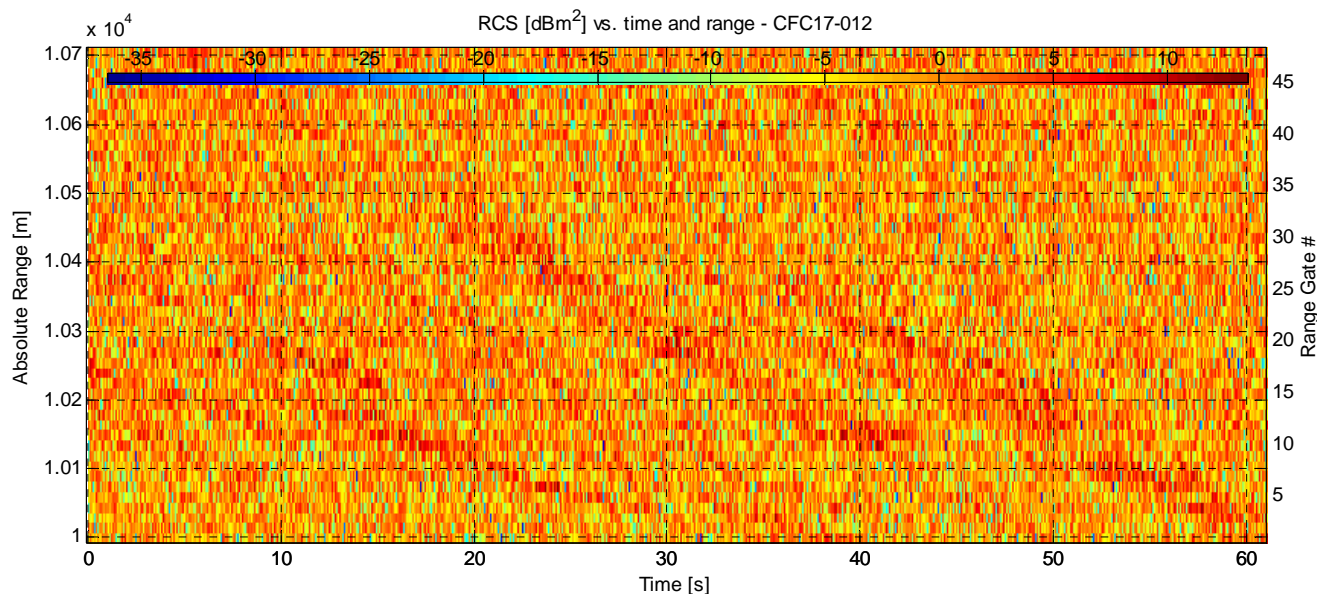


Experiment Summary	Value	Radar Setup	Value
Type	Sea Clutter	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	14:48:05.234	Tracking Range	10000.9 m
Duration	299819 PRI's (59.9636 s)	Range Extend	720 m (48 gates), 15 m res.
Original File	PF060803.081	Waveform Type	Fixed Frequency
Original Path	\20060803_ifs_paul_contd_2	Waveform Bandwidth	N/A
Processor Version	FMSCP Ver 01.22	Waveform File	SC_Fixed_256BL.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	15 kts, 263.1 deg. N	Grazing Angle	0.323 - 0.35 deg.	Odd Gates Offset	5.8729-3.0988i
Wind Gust	26 kts, 264 deg. N	Antenna Azm.	93.95 deg. N	Even Gates Offset	-0.10085-0.32258i
8hr Avg. Wind	13 kts, 253.2 deg. N	Antenna Elv.	-0.4752 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.39 m, 141.2 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Not applicable	Calibr. Coeff.	190.9 dB

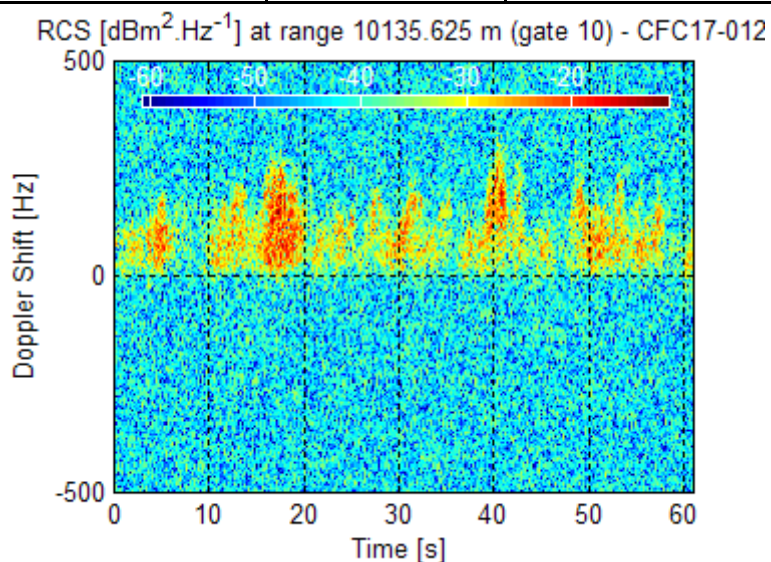
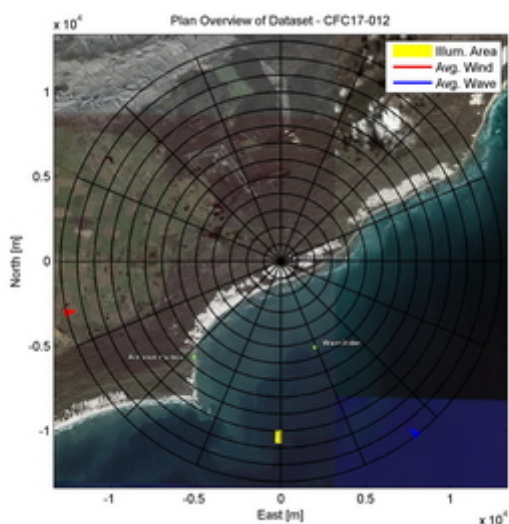


Dataset CFC17-012

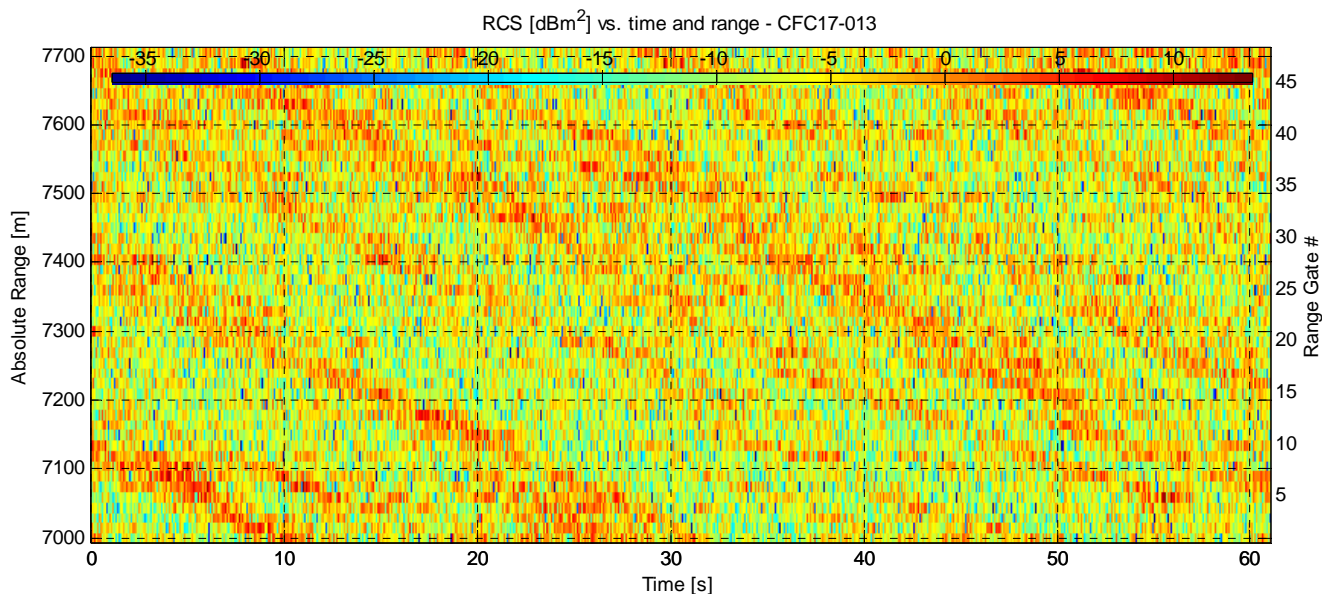


Experiment Summary	Value	Radar Setup	Value
Type	Sea Clutter	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	16:11:39.906	Tracking Range	10000.6 m
Duration	305215 PRI's (61.0428 s)	Range Extend	720 m (48 gates), 15 m res.
Original File	PF060803.095	Waveform Type	Fixed Frequency
Original Path	\\20060803_ifs_paul_contd_3	Waveform Bandwidth	N/A
Processor Version	FMSCP Ver 01.22	Waveform File	SC_Fixed_256BL.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	14.4 kts, 256.5 deg. N	Grazing Angle	0.323 - 0.35 deg.	Odd Gates Offset	1.3656-4.3783i
Wind Gust	23.7 kts, 256 deg. N	Antenna Azm.	180.7 deg. N	Even Gates Offset	5.4436+2.0574i
8hr Avg. Wind	13.8 kts, 253.4 deg. N	Antenna Elv.	-1.222 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.3 m, 142 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Not applicable	Calibr. Coeff.	190.9 dB

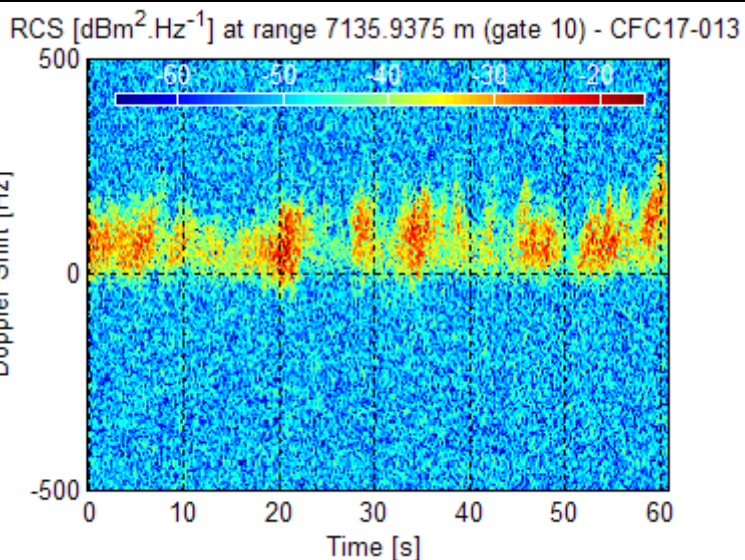
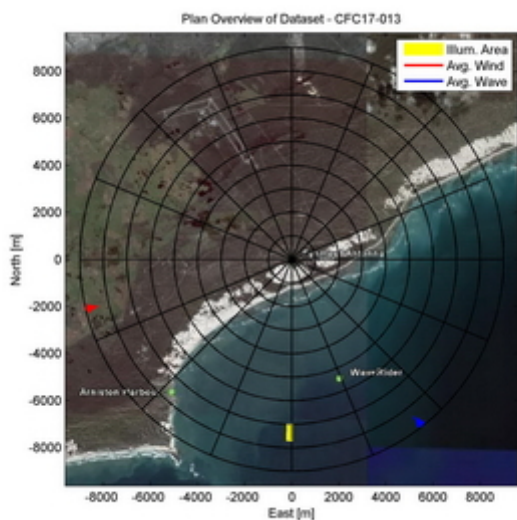


Dataset CFC17-013

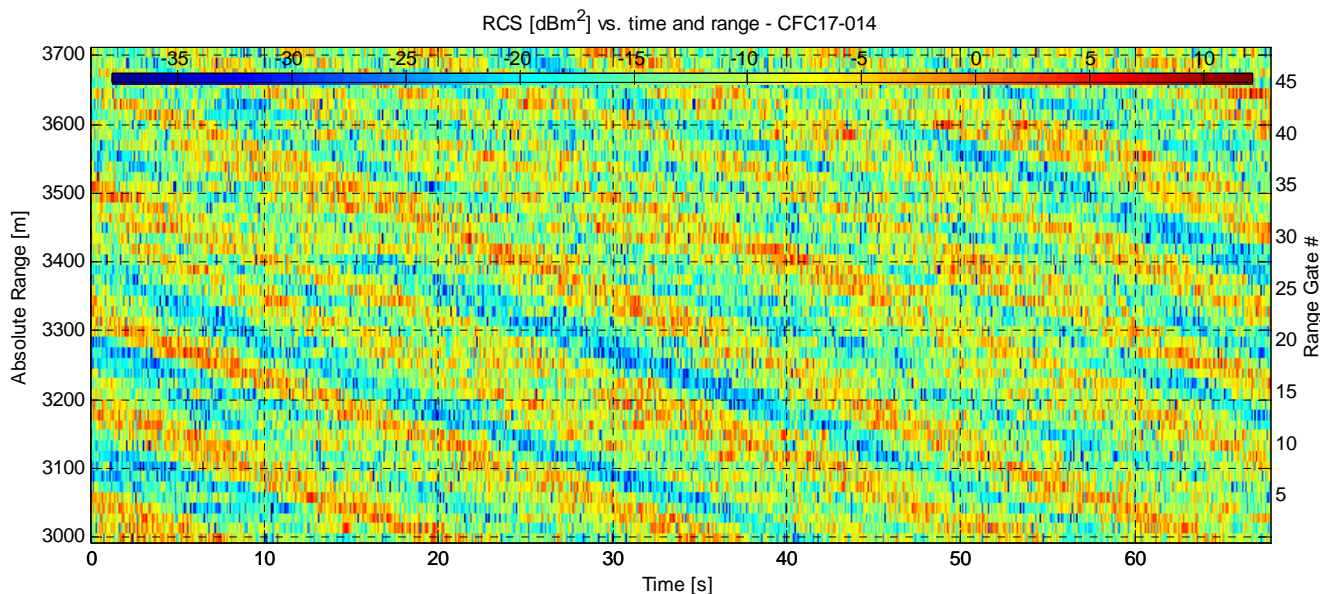


Experiment Summary	Value	Radar Setup	Value
Type	Sea Clutter	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	16:13:05.437	Tracking Range	7000.94 m
Duration	304987 PRI's (60.9972 s)	Range Extend	720 m (48 gates), 15 m res.
Original File	PF060803.096	Waveform Type	Fixed Frequency
Original Path	\\20060803_ifs_paul_contd_3	Waveform Bandwidth	N/A
Processor Version	FMSCP Ver 01.22	Waveform File	SC_Fixed_256BL.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	14.4 kts, 256.4 deg. N	Grazing Angle	0.472 - 0.525 deg.	Odd Gates Offset	5.3226+2.1067i
Wind Gust	23.7 kts, 256 deg. N	Antenna Azm.	180.7 deg. N	Even Gates Offset	1.3435-4.3132i
8hr Avg. Wind	13.8 kts, 253.4 deg. N	Antenna Elv.	-1.23 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.3 m, 142 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Not applicable	Calibr. Coeff.	190.9 dB

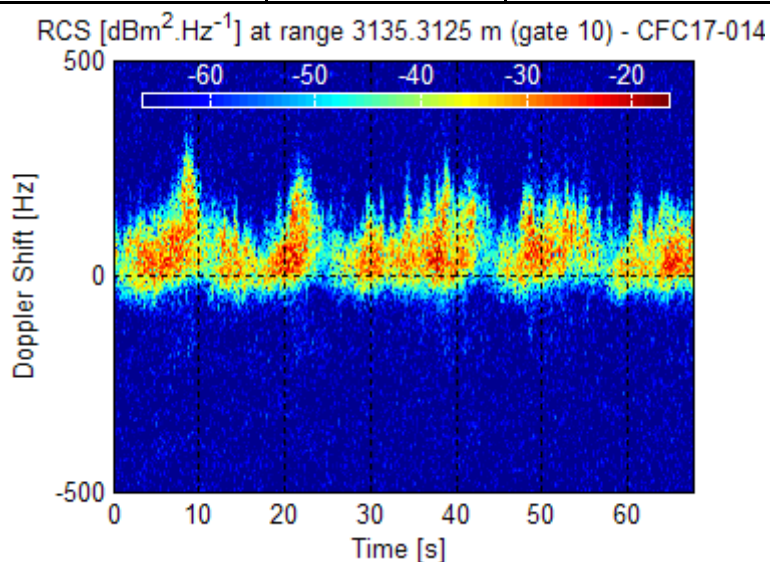
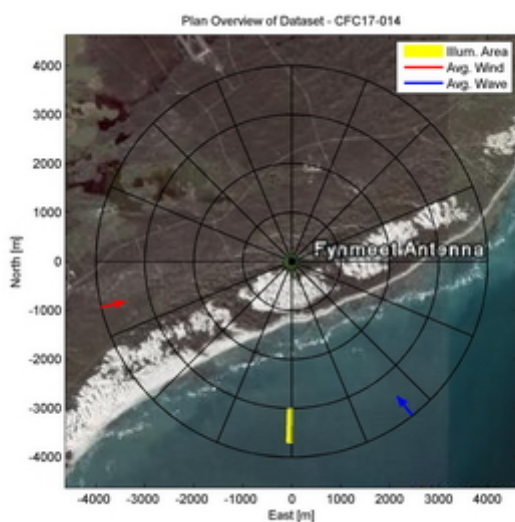


Dataset CFC17-014



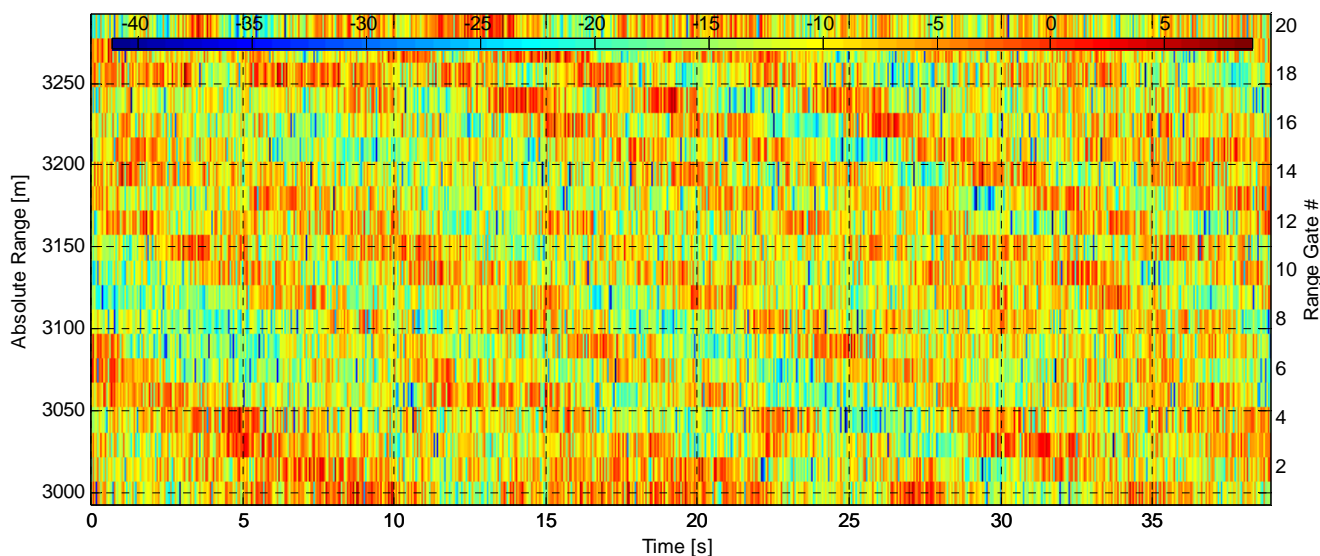
Experiment Summary	Value	Radar Setup	Value
Type	Sea Clutter	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	5 kHz
Start Time	16:14:25.171	Tracking Range	3000.31 m
Duration	338731 PRI's (67.746 s)	Range Extend	720 m (48 gates), 15 m res.
Original File	PF060803.097	Waveform Type	Fixed Frequency
Original Path	\\20060803_ifs_paul_contd_3	Waveform Bandwidth	N/A
Processor Version	FMSCP Ver 01.22	Waveform File	SC_Fixed_256BL.txt

Environment	Value	Geometry	Value	Processing	Value
Inst. Wind	14.3 kts, 256.4 deg. N	Grazing Angle	1.02 - 1.27 deg.	Odd Gates Offset	5.3453+2.0231i
Wind Gust	23.7 kts, 256 deg. N	Antenna Azm.	180.7 deg. N	Even Gates Offset	1.166-4.3923i
8hr Avg. Wind	13.8 kts, 253.4 deg. N	Antenna Elv.	-1.228 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.3 m, 142 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Not applicable	Calibr. Coeff.	190.9 dB



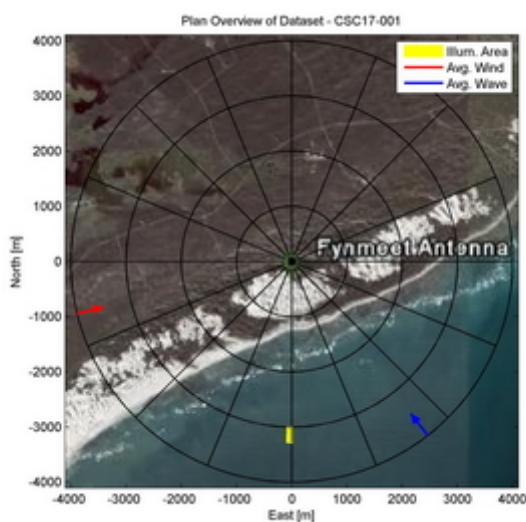
Dataset CSC17-001

RCS [dBm²] vs. time and range for $f_1 = 8.900$ GHz - CSC17-001



Experiment Summary	Value	Radar Setup	Value
Type	Sea Clutter	Tx Frequency	9 GHz
Date	03-Aug-2006	PRF	25 kHz
Start Time	16:17:59.001	Tracking Range	3000.31 m
Duration	971406 PRI's (38.8562 s)	Range Extend	300 m (20 gates), 15 m res.
Original File	PF060803.101	Waveform Type	Stepped Frequency
Original Path	\20060803_ifs_paul_contd_3	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	14.3 kts, 256.3 deg. N	Grazing Angle	1.16 - 1.27 deg.	Odd Gates Offset	5.5541+2.2359i
Wind Gust	23.7 kts, 256 deg. N	Antenna Azm.	180.7 deg. N	Even Gates Offset	1.7192-4.049i
8hr Avg. Wind	13.9 kts, 253.4 deg. N	Antenna Elv.	-1.228 deg.	I/Q Imbalance	Bypassed
Wave (SWH)	2.3 m, 142 deg. N	Antenna BW.	1.8 deg. Az, 1.8 deg. El	Complex Conj.	Applied
		GPS Data	Not applicable	Calibr. Coeff.	188.6 - 192.9 dB



$\text{[Bm}^2 \cdot \text{Hz}^{-1}]$ at range 3135.3125 m (gate 10) for $f_1 = 8.900$ GHz - C:

