

Table S2a. Interferograms with mapped hydrological barriers

Each worksheet is printed as a separate table section. The wetland/site name is repeated at the top of each continued page.

Worksheet/site sections:

WetlandSummary, Ciénaga Grande de Santa Marta, Palo Verde, Lake Burullus, Amvrakikos gulf, Axios, Loudias, Aliakmon Delta, Kotychi lagoons, Keoladeo National Park, Loktak Lake, Anzali Wetland, Shadegan Marshes, Hawizeh Marsh, Doñana, Everglades National Park

Table S2a. Interferograms with mapped hydrological barriers - WetlandSummary														
Wetland	Country	Size ha	Size km2	Coordinates	Climate Zone	ALOS-1 Avail.	ALOS-1 Barrier	S-1 Avail.	S-1 Barrier	ALOS-2 Avail.	ALOS-2 Barrier	NISAR Avail.	NISAR Barrier	Barrier
Laguna de Liancanelo	Argentina	91,365.3	913.653	35°37'05"S 69°09'06"W	Subtropics	YES	NO	YES	NO	NO	NO	YES	NO	NO
Donau-March-Thaya-Auen	Austria	36090	360.9	48°15'50"N 16°49'29"E	Temperate	NO L 1.0	NO	YES	NO	YES	Not processed	YES	NO	NO
De Ijzerbroeken te Diksmuide en Lo-Renige	Belgium	2360	23.6	50°58'59"N 02°51'E	Temperate	NO L 1.0	NO	YES	NO	NO	NO	NO	NO	NO
Schorren van de Beneden Schelde	Belgium	420	4.2	51°20'N 04°15'E	Temperate	NO L 1.0	NO	YES	NO	NO	NO	NO	NO	NO
Durankulak Lake	Bulgaria	1370	13.7	43°40'24"N 28°32'26"E	Temperate	NO	NO	YES	NO	NO	NO	YES	NO	NO
Strébarna	Bulgaria	1464	14.64	44°06'45"N 27°04'40"E	Temperate	YES	NO	YES	NO	NO	NO	YES	NO	NO
Carlos Anwandter Sanctuary	Chile	4877	48.77	39°40'59"S 73°11'W	Temperate	YES	NO	YES	NO	YES	Not processed	NO	NO	NO
Sistema Delta Estuarino del Río Magdalena, Ciénaga Grande de Santa Marta	Colombia	400000	4000	10°45'N 74°28'59"W	Tropics	YES	YES	YES	NO	YES	YES	YES	YES	YES
Palo Verde	Costa Rica	24519	245.19	10°20'N 85°19'59"W	Tropics	YES	YES	YES	NO	YES		NO	NO	YES
Litovelské Pomoraví	Czech Republic	5122	51.22	49°42'N 17°04'59"E	Temperate	NO L 1.0	NO	YES	NO	YES	Not processed	YES	NO	NO
Mokřady dolního Podyjí	Czech Republic	11525	115.25	48°49'59"N 16°45'E	Temperate	NO L 1.0	NO	YES	NO	YES	Not processed	YES	NO	NO
Poodří	Czech Republic	5450	54.5	49°42'N 18°03'E	Temperate	NO L 1.0	NO	YES	NO	NO	NO	YES	NO	NO
Třeboňské rybníky	Czech Republic	10165	101.65	48°37'59"N 14°48'59"E	Temperate	NO L 1.0	NO	YES	NO	YES	Not processed	NO	NO	NO
Parc national des Mangroves	Democratic Republic of Congo	66000	660	05°45'S 12°45'E	Tropics	YES	NO	YES	NO	YES	Not processed	NO	NO	NO
Parc national des Virunga	Democratic Republic of Congo	800000	8000	01°15'S 29°30'E	Tropics	YES	NO	YES	NO	NO	NO	NO	NO	NO
Ringkøbing Fjord	Denmark	27652	276.52	55°56'28"N 08°15'35"E	Temperate	NO L 1.0	NO	YES	NO	NO	NO	YES	NO	NO
Lake Bardawil	Egypt	59500	595	31°04'59"N 33°05'E	Subtropics	YES	NO	YES	NO	NO	NO	YES	NO	NO
Lake Burullus	Egypt	46200	462	31°30'N 30°49'59"E	Subtropics	NO	NO	YES	YES	NO	NO	NO	NO	YES
Amvrakikos gulf	Greece	23649	236.49	39°06'N 20°55'E	Temperate	NO L 1.0	NO	YES	YES	NO	NO	NO	NO	YES
Axios, Loudias, Aliakmon Delta	Greece	11808	118.08	40°30'N 22°42'59"E	Temperate	YES	NO	YES	YES	NO	NO	YES	YES	YES
Kotychi lagoons	Greece	6302	63.02	38°00'59"N 21°17'E	Temperate	YES	NO	YES	YES	NO	NO	NO	NO	YES
Lake Vistonis, Porto Lagos, Lake Ismaris & adjoining lagoons	Greece	24396	243.96	41°03'N 25°11'E	Temperate	NO L 1.0	NO	YES	NO	NO	NO	YES	NO	NO
Lakes Volvi & Koronia	Greece	16388	163.88	40°40'59"N 23°19'59"E	Temperate	YES	NO	YES	NO	NO	NO	YES	NO	NO
Messolonghi lagoons	Greece	33687	336.87	38°20'N 21°15'E	Temperate	YES	NO	YES		NO	NO	NO	NO	NO
Nestos delta & adjoining lagoons	Greece	21930	219.3	40°54'N 24°47'E	Temperate	NO L 1.0	NO	YES	NO	NO	NO	YES	NO	NO
Parque Nacional Laguna del Tigre	Guatemala	335080	3,350.8	17°27'N 90°51'59"W	Tropics	YES	NO	YES	NO	YES	Not processed	YES	NO	NO
Keoladeo National Park	India	2873	28.73	27°12'59"N 77°31'59"E	Subtropics	NO L 1.0	NO	YES	NO	YES	NO	YES	YES	YES
Loktak Lake	India	26600	266	24°26'N 93°48'59"E	Subtropics	YES	YES	YES	NO	YES	NO	NO	NO	YES
Anzali Wetland	Iran (Islamic Republic of)	19500	195	37°26'25"N 49°24'41"E	Temperate	YES	YEs	YES		NO	NO	YES	YES	YES
Hamun-e-Puzak, south end	Iran (Islamic Republic of)	10000	100	31°19'59"N 61°45'E	Subtropics	YES	NO	YES	NO	NO	NO	NO	NO	NO
Hamun-e-Saberi & Hamun-e-Helmand	Iran (Islamic Republic of)	50000	500	31°14'08"N 61°15'15"E	Subtropics	YES	NO	YES		NO	NO	NO	NO	NO
Neyriz Lakes & Kamjan Marshes	Iran (Islamic Republic of)	108000	1080	29°40'N 53°30'E	Subtropics	YES	NO	YES		NO	NO	NO	NO	NO
Shadegan Marshes & mudflats of Khor-al Amaya & Khor Musa	Iran (Islamic Republic of)	400000	4000	30°30'N 48°45'E	Subtropics	NO L 1.0	NO	YES	YES	NO	NO	NO	NO	YES
Shurgol, Yadegarlu & Dorgeh Sangi Lakes	Iran (Islamic Republic of)	2500	25	37°00'N 45°30'E	Temperate	NO L 1.0	NO	YES	NO	NO	NO	YES		NO
Hawizeh Marsh	Iraq	137700	1377	31°25'N 47°37'59"E	Subtropics	YES	YES	YES	YES	NO	NO	NO	NO	YES
Azraq Oasis	Jordan	7372	73.72	31°48'59"N 36°48'E	Subtropics	YES	NO	YES	NO	NO	NO	YES	NO	NO
Sistema de Humedales de la Bahía de Bluefields	Nicaragua	86501	865.01	11°54'59"N 83°45'W	Tropics	YES	NO	YES	NO	YES	NO	NO	NO	NO
Blesbokspruit	South Africa	1858	18.58	26°18'41"S 28°30'13"E	Subtropics	NO L 1.0	NO	YES		NO	NO	NO	NO	NO
Orange River Mouth	South Africa	500	5	28°40'S 16°30'E	Subtropics	NO L 1.0	NO	YES	NO	NO	NO	NO	NO	NO
Doñana	Spain	111646	1,116.46	37°01'52"N 06°25'24"W	Temperate	NO L 1.0	NO	YES	YES	NO	NO	NO	NO	YES
Las Tablas de Daimiel	Spain	1928	19.28	39°09'N 03°39'59"W	Temperate	NO L 1.0	NO	YES	NO	NO	NO	NO	NO	NO
Ichkeul	Tunisia	12600	126	37°09'59"N 09°39'59"E	Temperate	NO L 1.0	NO	YES	NO	NO	NO	NO	NO	NO
Lake George	Uganda	15000	150	00°07'N 30°02'E	Tropics	YES	NO	YES	NO	NO	NO	NO	NO	NO
Ouse Washes	United Kingdom	2469	24.69	52°28'07"N 00°11'34"E	Temperate	NO L 1.0	NO	YES	NO	NO	NO	NO	NO	NO
The Dee Estuary	United Kingdom	14303	143.03	53°18'59"N 03°11'18"W	Temperate	NO L 1.0	NO	YES	NO	NO	NO	NO	NO	NO
Everglades National Park	United States of America	610497	6,104.97	25°33'N 80°55'W	Subtropics	YES	YES	YES	YES	NO	NO	YES	YES	YES

Table S2a. Interferograms with mapped hydrological barriers - Ciénaga Grande de Santa Marta

Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
Alos-1	ALPSRP106060200	2007-01-18	ALPSRP079220200	2007-07-21	20070118_20070721	10.3654	0.00259136
Alos-1	ALPSRP079220200	2007-07-21	ALPSRP085930200	2007-09-05	20070721_20070905	43.5995	0.0108999
Alos-1	ALPSRP085930200	2007-09-05	ALPSRP106060200	2008-01-21	20070905_20080121	9.0787	0.00226968
Alos-1	ALPSRP106060200	2008-01-21	ALPSRP119480200	2008-04-22	20080121_20080422	5.8632	0.00146581
Alos-1	ALPSRP119480200	2008-04-22	ALPSRP126190200	2008-06-07	20080422_20080607	5.255	0.00131376
Alos-1	ALPSRP126190200	2008-06-07	ALPSRP132900200	2008-07-23	20080607_20080723	32.5768	0.0081442
Alos-1	ALPSRP132900200	2008-07-23	ALPSRP139610200	2008-09-07	20080723_20080907	46.9237	0.0117309
Alos-1	ALPSRP139610200	2008-09-07	ALPSRP159740200	2009-01-23	20080907_20090123	5.2857	0.00132142
Alos-1	ALPSRP159740200	2009-01-23	ALPSRP186580200	2009-07-26	20090123_20090726	2.6211	0.000655282
Alos-1	ALPSRP186580200	2009-07-26	ALPSRP193290200	2009-09-10	20090726_20090910	7.6273	0.00190683
Alos-1	ALPSRP193290200	2009-09-10	ALPSRP200000200	2009-10-26	20090910_20091026	23.522	0.0058805
Alos-1	ALPSRP200000200	2009-10-26	ALPSRP213420200	2010-01-26	20091026_20100126	5.1318	0.00128296
Alos-1	ALPSRP213420200	2010-01-26	ALPSRP220130200	2010-03-13	20091026_20100126	11.7217	0.00293042
Alos-1	ALPSRP220130200	2010-03-13	ALPSRP226840200	2010-04-28	20100313_20100428	6.6906	0.00167266
Alos-1	ALPSRP226840200	2010-04-28	ALPSRP233550200	2010-06-13	20100428_20100613	12.5356	0.00313389
Alos-1	ALPSRP233550200	2010-06-13	ALPSRP240260200	2010-07-29	20100613_20100729	41.8519	0.010463
Alos-1	ALPSRP240260200	2010-07-29	ALPSRP253680200	2010-10-29	20100729_20101029	2.6453	0.000661321
Alos-1	ALPSRP253680200	2010-10-29	ALPSRP273810200	2011-03-16	20101029_20110316	0	0
Alos-2	ALOS2047103400-150407-WBDR1.1__D	2015-04-07	ALOS2053313400-150519-WBDR1.1__D	2015-05-19	20150407_20150519	13.3915	0.00334787
Alos-2	ALOS2053313400-150519-WBDR1.1__D	2015-05-19	ALOS2059523400-150630-WBDR1.1__D	2015-06-30	20150519_20150630	17.3257	0.00433143
Alos-2	ALOS2076083400-151020-WBDR1.1__D	2015-05-19	ALOS2082293400-151201-WBDR1.1__D	2015-12-01	20151020_20151201	1.6897	0.000422414
Alos-2	ALOS2100923400-160405-WBDR1.1__D	2016-04-05	ALOS2107133400-160517-WBDR1.1__D	2016-05-17	20160405_20160517	6.6661	0.00166651
Alos-2	ALOS2129903400-161018-WBDR1.1__D	2016-10-18	ALOS2136113400-161129-WBDR1.1__D	2016-11-29	20161018_20161129	4.6444	0.0011611
Alos-2	ALOS2148533400-170221-WBDR1.1__D	2017-02-21	ALOS2154743400-170404-WBDR1.1__D	2017-04-04	20170221_20170404	20.8912	0.0052228
Alos-2	ALOS2154743400-170404-WBDR1.1__D	2017-04-04	ALOS2160953400-170516-WBDR1.1__D	2017-05-16	20170404_20170516	4.8323	0.00120806
Alos-2	ALOS2167163400-170627-WBDR1.1__D	2017-06-27	ALOS2171303400-170725-WBDR1.1__D	2017-07-25	20170627_20170725	4.519	0.00112974
Alos-2	ALOS2212703400-180501-WBDR1.1__D	2018-05-01	ALOS2214773400-180515-WBDR1.1__D	2018-05-15	20180501_20180515	38.8894	0.00972236
Alos-2	ALOS2260313400-190319-WBDR1.1__D	2019-03-19	ALOS2262383400-190402-WBDR1.1__D	2019-04-02	20190319_20190402	6.7391	0.00168478
Alos-2	ALOS2262383400-190402-WBDR1.1__D	2019-04-02	ALOS2268593400-190514-WBDR1.1__D	2019-05-14	20190402_20190514	12.0573	0.00301431
Alos-2	ALOS2285153400-190903-WBDR1.1__D	2019-09-03	ALOS2291363400-191015-WBDR1.1__D	2019-10-15	20190903_20191015	21.0273	0.00525684
Alos-2	ALOS2316203400-200331-WBDR1.1__D	2020-03-31	ALOS2322413400-200512-WBDR1.1__D	2020-05-12	20200331_20200512	8.8571	0.00221427
Alos-2	ALOS2328623400-200623-WBDR1.1__D	2020-06-23	ALOS2332763400-200721-WBDR1.1__D	2020-07-21	20200623_20200721	4.0438	0.00101094
Alos-2	ALOS2357603400-210105-WBDR1.1__D	2021-01-05	ALOS2370023400-210330-WBDR1.1__D	2021-03-30	20210105_20210330	0	0
Alos-2	ALOS2525273400-240213-WBDR1.1__D	2024-02-13	ALOS2568743400-241203-WBDR1.1__D	2024-03-26	20240213_20240326	6.9703	0.00174258
Alos-2	ALOS2568743400-241203-WBDR1.1__D	2024-03-26	ALOS2572883400-241231-WBDR1.1__D	2024-05-07	20240326_20240507	0	0
Alos-2	ALOS2572883400-241231-WBDR1.1__D	2024-05-07	ALOS2572883400-241231-WBDR1.1__D	2024-12-31	20241203_20241231	36.3594	0.00908985
NISAR	NISAR_L2_PR_GSLC_004_011_D_083_4005_DHDH_A_20251029T232728_20251029T232806_X05009_N_F_J_001	2025-10-29	NISAR_L2_PR_GSLC_006_011_D_083_4005_DHDH_A_20251122T232729_20251122T232806_X05009_N_F_J_001	2025-11-22	20251029_20251122	29.693	0.00742326
NISAR	NISAR_L2_PR_GSLC_006_011_D_083_4005_DHDH_A_20251122T232729_20251122T232806_X05009_N_F_J_001	2025-11-22	NISAR_L2_PR_GSLC_007_011_D_083_4005_DHDH_A_20251204T232730_20251204T232807_X05009_N_F_J_001	2025-12-04	20251122_20251204	16.2694	0.00406736
NISAR	NISAR_L2_PR_GSLC_007_011_D_083_4005_DHDH_A_20251204T232730_20251204T232807_X05009_N_F_J_001	2025-12-04	NISAR_L2_PR_GSLC_008_011_D_083_4005_DHDH_A_20251216T232731_20251216T232808_X05009_N_F_J_001	2025-12-16	20251204_20251216	20.0523	0.00501306

Table S2a. Interferograms with mapped hydrological barriers - Palo Verde

Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
ALOS-1	ALPSRP055010190	2007-02-05	ALPSRP081850190	2007-08-08	20070205_20070808	0	0
ALOS-1	ALPSRP081850190	2007-08-08	ALPSRP088560190	2007-09-23	20070808_20070923	1.8728	0.00763813
ALOS-1	ALPSRP088560190	2007-09-23	ALPSRP095270190	2007-11-08	20070923_20071108	1.018	0.00415188
ALOS-1	ALPSRP095270190	2007-11-08	ALPSRP108690190	2008-02-08	20071108_20080208	0	0
ALOS-1	ALPSRP108690190	2008-02-08	ALPSRP135530190	2008-08-10	20080208_20080810	0	0
ALOS-1	ALPSRP135530190	2008-08-10	ALPSRP142240190	2008-09-25	20080810_20080925	4.2111	0.0171749
ALOS-1	ALPSRP142240190	2008-09-25	ALPSRP155660190	2008-12-26	20080925_20081226	0	0
ALOS-1	ALPSRP155660190	2008-12-26	ALPSRP162370190	2009-02-10	20081226_20090210	0	0
ALOS-1	ALPSRP162370190	2009-02-10	ALPSRP189210190	2009-08-13	20090210_20090813	0	0
ALOS-1	ALPSRP189210190	2009-08-13	ALPSRP195920190	09/28/2009	20090813_20090928	2.6635	0.010863
ALOS-1	ALPSRP195920190	09/28/2009	ALPSRP209340190	2009-12-29	20090928_20091229	0	0
ALOS-1	ALPSRP209340190	2009-12-29	ALPSRP216050190	2010-02-13	20091229_20100213	0.990941	0.00404152
ALOS-1	ALPSRP216050190	2010-02-13	ALPSRP222760190	2010-03-31	20100213_20100331	0	0
ALOS-1	ALPSRP222760190	2010-03-31	ALPSRP229470190	2010-05-16	20100331_20100516	1.2167	0.00496229
ALOS-1	ALPSRP229470190	2010-05-16	ALPSRP236180190	2010-07-01	20100516_20100701	0	0
ALOS-1	ALPSRP236180190	2010-07-01	ALPSRP242890190	2010-08-16	20100701_20100816	2.2955	0.00936233
ALOS-1	ALPSRP242890190	2010-08-16	ALPSRP249600190	2010-10-01	20100816_20101001	7.1555	0.0291836
ALOS-1	ALPSRP249600190	2010-10-01	ALPSRP256310190	2010-11-16	20101001_20101116	0	0
ALOS-1	ALPSRP256310190	2010-11-16	ALPSRP263020190	2011-01-01	20101116_20110101	0	0

Table S2a. Interferograms with mapped hydrological barriers - Lake Burullus							
Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
Sentinel-1	S1A_IW_SLC__1SDV_20150101T155632_20150101T155659_003980_004CA8_8FA9	2015-01-01	S1A_IW_SLC__1SDV_20150113T155631_20150113T155658_004155_005097_0458	2015-01-13	20150101_20150113	2.0761	0.00449366
Sentinel-1	S1A_IW_SLC__1SDV_20150206T155630_20150206T155657_004505_005876_7E76	2015-02-06	S1A_IW_SLC__1SDV_20150218T155630_20150218T155657_004680_005C7B_125D	2015-02-18	20150206_20150218	10.9271	0.0236518
Sentinel-1	S1A_IW_SLC__1SDV_20150302T155630_20150302T155658_004855_0060BD_B924	2015-03-02	S1A_IW_SLC__1SDV_20150314T155631_20150314T155658_005030_0064F6_D7EF	2015-03-14	20150302_20150314	5.7571	0.0124612
Sentinel-1	S1A_IW_SLC__1SDV_20150407T155631_20150407T155658_005380_006D53_85EE	2015-04-07	S1A_IW_SLC__1SDV_20150419T155632_20150419T155659_005555_0071AF_6E54	2015-04-19	20150407_20150419	7.7032	0.0166737
Sentinel-1	S1A_IW_SLC__1SDV_20150501T155635_20150501T155702_005730_0075B5_6E23	2015-05-01	S1A_IW_SLC__1SDV_20150513T155633_20150513T155700_005905_0079B5_8EEA	2015-05-13	20150501_20150513	5.7618	0.0124715
Sentinel-1	S1A_IW_SLC__1SDV_20150606T155635_20150606T155702_006255_0082FC_F9BA	2015-06-06	S1A_IW_SLC__1SDV_20150618T155635_20150618T155702_006430_0087FB_913D	2015-06-18	20150606_20150618	3.4875	0.00754879
Sentinel-1	S1A_IW_SLC__1SDV_20150724T155637_20150724T155711_006955_0096B4_18F4	2015-07-24	S1A_IW_SLC__1SDV_20150805T155640_20150805T155712_007130_009B93_9FA2	2015-08-05	20150724_20150805	1.9571	0.00423624
Sentinel-1	S1A_IW_SLC__1SDV_20150817T155638_20150817T155712_007305_00A055_04B0	2015-08-17	S1A_IW_SLC__1SDV_20150829T155639_20150829T155713_007480_00A51B_13F9	2015-08-29	20150817_20150829	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20150910T155639_20150910T155713_007655_00A9E4_B143	2015-09-10	S1A_IW_SLC__1SDV_20150922T155639_20150922T155714_007830_00AE7F_6707	2015-09-22	20150910_20150922	6.3375	0.0137176
Sentinel-1	S1A_IW_SLC__1SDV_20151004T155640_20151004T155714_008005_00B33F_7B0D	2015-10-04	S1A_IW_SLC__1SDV_20151016T155640_20151016T155714_008180_00B7EE_0EE9	2015-10-16	20151004_20151016	2.3161	0.00501321
Sentinel-1	S1A_IW_SLC__1SDV_20151121T155634_20151121T155703_008705_00C638_AB17	2015-11-21	S1A_IW_SLC__1SDV_20151203T155633_20151203T155700_008880_00CB21_0180	2015-12-03	20151121_20151203	10.3445	0.0223907
Sentinel-1	S1A_IW_SLC__1SDV_20151215T155633_20151215T155702_009055_00CFF3_5CA3	2015-12-15	S1A_IW_SLC__1SDV_20151227T155632_20151227T155659_009230_00DA4E_F_A46C	2015-12-27	20151215_20151227	12.8391	0.0277903
Sentinel-1	S1A_IW_SLC__1SDV_20160320T155631_20160320T155700_010455_00F830_6F87	2016-03-20	S1A_IW_SLC__1SDV_20160401T155632_20160401T155659_010630_00FD34_C4E1	2016-04-01	20160320_20160401	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20160401T155632_20160401T155659_010630_00FD34_C4E1	2016-04-01	S1A_IW_SLC__1SDV_20160413T155632_20160413T155701_010805_010275_1C7F	2016-04-13	20160401_20160413	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20160425T155633_20160425T155700_010980_0107D9_3DEC	2016-04-25	S1A_IW_SLC__1SDV_20160507T155633_20160507T155702_011155_010D5B_917C	2016-05-07	20160425_20160507	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20160531T155640_20160531T155707_011505_0118B7_C6DC	2016-05-31	S1A_IW_SLC__1SDV_20160612T155641_20160612T155708_011680_011E33_6C1F	2016-06-12	20160531_20160612	5.9291	0.0128335
Sentinel-1	S1A_IW_SLC__1SDV_20160718T155643_20160718T155710_012205_012F11_9173	2016-07-18	S1A_IW_SLC__1SDV_20160730T155644_20160730T155711_012380_0134CC_8291	2016-07-30	20160718_20160730	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20160811T155644_20160811T155711_012555_013AA2_0FB5	2016-08-11	S1A_IW_SLC__1SDV_20160823T155645_20160823T155712_012730_014075_B5B4	2016-08-23	20160811_20160823	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20161004T155604_20161004T155630_002359_003FC0_0612	2016-10-04	S1B_IW_SLC__1SDV_20161016T155604_20161016T155630_002534_00446D_4D54	2016-10-16	20161004_20161016	4.2869	0.00927893
Sentinel-1	S1A_IW_SLC__1SDV_20161103T155646_20161103T155713_013780_016227_1F52	2016-11-03	S1B_IW_SLC__1SDV_20161109T155604_20161109T155630_002884_004E38_7FDE	2016-11-09	20161103_20161109	13.0996	0.028354
Sentinel-1	S1B_IW_SLC__1SDV_20161203T155603_20161203T155630_003234_00581E_8948	2016-12-03	S1A_IW_SLC__1SDV_20161209T155645_20161209T155712_014305_017282_9056	2016-12-09	20161203_20161209	9.5286	0.0206247
Sentinel-1	S1B_IW_SLC__1SDV_20170108T155601_20170108T155627_003759_00675A_1250	2017-01-08	S1A_IW_SLC__1SDV_20170114T155643_20170114T155710_014830_0182B2_C825	2017-01-14	20170108_20170114	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20170213T155600_20170213T155626_004284_0076E6_04EE	2017-02-13	S1A_IW_SLC__1SDV_20170219T155642_20170219T155709_015355_0192FA_C8F8	2017-02-19	20170213_20170219	10.7236	0.0232112
Sentinel-1	S1A_IW_SLC__1SDV_20170303T155642_20170303T155709_015530_019844_8AC4	2017-03-03	S1B_IW_SLC__1SDV_20170309T155600_20170309T155626_004634_008142_EDFE	2017-03-09	20170303_20170309	11.464	0.0248138
Sentinel-1	S1B_IW_SLC__1SDV_20170402T155601_20170402T155627_004984_008B6E_6B53	2017-04-02	S1A_IW_SLC__1SDV_20170408T155643_20170408T155710_016055_01A800_328C	2017-04-08	20170402_20170408	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20170514T155645_20170514T155712_016580_01B7FD_0D1B	2017-05-14	S1B_IW_SLC__1SDV_20170520T155603_20170520T155629_005684_009FA4_4C6B	2017-05-20	20170514_20170520	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20170601T155558_20170601T155624_005859_00A456_8CEE	2017-06-01	S1A_IW_SLC__1SDV_20170607T155652_20170607T155719_016930_01C2CC_A0DD	2017-06-07	20170601_20170607	5.6488	0.0122268
Sentinel-1	S1A_IW_SLC__1SDV_20170713T155654_20170713T155721_017455_01D2C2_571C	2017-07-13	S1B_IW_SLC__1SDV_20170719T155601_20170719T155627_006559_00B886_39FD	2017-07-19	20170713_20170719	6.1979	0.0134155
Sentinel-1	S1B_IW_SLC__1SDV_20170812T155602_20170812T155629_006909_00C2A0_2A5C	2017-08-12	S1A_IW_SLC__1SDV_20170818T155656_20170818T155723_017980_01E2C0_F7A2	2017-08-18	20170812_20170818	8.2734	0.0179078
Sentinel-1	S1A_IW_SLC__1SDV_20170911T155657_20170911T155724_018330_01ED7E_0BC3	2017-09-11	S1B_IW_SLC__1SDV_20170917T155604_20170917T155630_007434_00D1ED_7DF6	2017-09-17	20170911_20170917	12.8879	0.027896
Sentinel-1	S1A_IW_SLC__1SDV_20171017T155658_20171017T155725_018855_01FD8C_B7F0	2017-10-17	S1B_IW_SLC__1SDV_20171023T155605_20171023T155631_007959_00E0EF_1A9F	2017-10-23	20171017_20171023	13.0674	0.0282843
Sentinel-1	S1A_IW_SLC__1SDV_20171122T155657_20171122T155724_019380_020DCB_E993	2017-11-22	S1B_IW_SLC__1SDV_20171128T155604_20171128T155630_008484_00F09C_73F8	2017-11-28	20171122_20171128	16.8259	0.0364198
Sentinel-1	S1A_IW_SLC__1SDV_20171216T155656_20171216T155723_019730_0218B3_0808	2017-12-16	S1B_IW_SLC__1SDV_20171222T155603_20171222T155629_008834_00FB8B_AB0E	2017-12-22	20171216_20171222	4.5518	0.00985245
Sentinel-1		2018-01-09	S1B_IW_SLC__1SDV_20180115T155602_20180115T155628_009184_010718_9038	2018-01-15	20180109_20180115	17.6943	0.0382994
Sentinel-1	S1B_IW_SLC__1SDV_20180220T155601_20180220T155627_009709_01184E_E4E3	2018-02-20	S1A_IW_SLC__1SDV_20180226T155654_20180226T155721_020780_0239F9_BC53	2018-02-26	20180220_20180226	14.4101	0.0311907
Sentinel-1	S1B_IW_SLC__1SDV_20180316T155601_20180316T155628_010059_0123E9_381E	2018-03-16	S1A_IW_SLC__1SDV_20180322T155654_20180322T155721_021130_024503_8CAB	2018-03-22	20180316_20180322	31.9268	0.0691056
Sentinel-1	S1B_IW_SLC__1SDV_20180503T155603_20180503T155629_010759_013A84_5516	2018-05-03	S1A_IW_SLC__1SDV_20180509T155656_20180509T155723_021830_025B06_7443	2018-05-09	20180503_20180509	13.6365	0.0295162
Sentinel-1	S1B_IW_SLC__1SDV_20180620T155606_20180620T155632_011459_0150D1_6D98	2018-06-20	S1A_IW_SLC__1SDV_20180626T155659_20180626T155726_022530_0270C2_9D7F	2018-06-26	20180620_20180626	9.9333	0.0215007
Sentinel-1	S1A_IW_SLC__1SDV_20180825T155703_20180825T155730_023405_028BFE_4B01	2018-08-25	S1B_IW_SLC__1SDV_20180831T155610_20180831T155636_012509_017121_7F93	2018-08-31	20180825_20180831	20.6947	0.0447937
Sentinel-1	S1B_IW_SLC__1SDV_20180912T155611_20180912T155637_012684_01767F_3762	2018-09-12	S1A_IW_SLC__1SDV_20180918T155704_20180918T155731_023755_029731_A50D	2018-09-18	20180912_20180918	16.745	0.0362445
Sentinel-1	S1B_IW_SLC__1SDV_20181006T155611_20181006T155637_013034_018139_9287	2018-10-06	S1A_IW_SLC__1SDV_20181012T155704_20181012T155731_024105_02A29E_4D45	2018-10-12	20181006_20181012	11.0018	0.0238133
Sentinel-1	S1B_IW_SLC__1SDV_20181111T155611_20181111T155637_013559_019189_16B2	2018-11-11	S1A_IW_SLC__1SDV_20181117T155704_20181117T155731_024630_02B4AD_EE3C	2018-11-17	20181111_20181117	3.862	0.00835928
Sentinel-1	S1B_IW_SLC__1SDV_20181205T155611_20181205T155637_013909_019C8C_3F9A	2018-12-05	S1A_IW_SLC__1SDV_20181211T155703_20181211T155730_024980_02C0FC_37D6	2018-12-11	20181205_20181211	4.3087	0.00932627
Sentinel-1	S1A_IW_SLC__1SDV_20190116T155702_20190116T155729_025505_02D3EF_1D45	2019-01-16	S1B_IW_SLC__1SDV_20190122T155609_20190122T155635_014609_01B38B_8228	2019-01-22	20190116_20190122	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20190209T155701_20190209T155728_025855_02E09D_DA1C	2019-02-09	S1B_IW_SLC__1SDV_20190215T155608_20190215T155634_014959_01BEF0_3D15	2019-02-15	20190209_20190215	9.1116	0.0197221
Sentinel-1	S1A_IW_SLC__1SDV_20190305T155701_20190305T155728_026205_02ED1B_E3FE	2019-03-05	S1B_IW_SLC__1SDV_20190311T155608_20190311T155634_015309_01CA74_27CA	2019-03-11	20190305_20190311	12.3067	0.0266379
Sentinel-1	S1A_IW_SLC__1SDV_20190422T155702_20190422T155729_026905_0306B7_08EF	2019-04-22	S1B_IW_SLC__1SDV_20190428T155610_20190428T155636_016009_01E182_54FE	2019-04-28	20190422_20190428	3.8554	0.00834493
Sentinel-1	S1B_IW_SLC__1SDV_20190510T155610_20190510T155636_016184_01E73C_709A	2019-05-10	S1A_IW_SLC__1SDV_20190516T155703_20190516T155730_027255_0312B7_F453	2019-05-16	20190510_20190516	11.6503	0.025217
Sentinel-1	S1A_IW_SLC__1SDV_20190609T155704_20190609T155731_027605_031D91_027A	2019-06-09	S1B_IW_SLC__1SDV_20190615T155612_20190615T155638_016750_01F729_C550	2019-06-15	20190609_20190615	5.5989	0.0121189
Sentinel-1	S1B_IW_SLC__1SDV_20190721T155614_20190721T155640_017234_020699_B74A	2019-07-21	S1A_IW_SLC__1SDV_20190727T155707_20190727T155734_028305_0332B2_E276	2019-07-27	20190721_20190727	14.4705	0.0313214
Sentinel-1	S1A_IW_SLC__1SDV_20190820T155709_20190820T155736_028655_033E24_9800	2019-08-20	S1B_IW_SLC__1SDV_20190826T155616_20190826T155642_017759_0216AD_271B	2019-08-26	20190820_20190826	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20190913T155710_20190913T155737_029005_034A50_B78B	2019-09-13	S1B_IW_SLC__1SDV_20190919T155617_20190919T155643_018109_02218B_1BFA	2019-09-19	20190913_20190919	6.8471	0.0148206
Sentinel-1	S1B_IW_SLC__1SDV_20191001T155618_20191001T155644_018284_0226F2_A35E	2019-10-01	S1A_IW_SLC__1SDV_20191007T155710_20191007T155737_029355_035652_0FC3	2019-10-07	20191001_20191007	21.5676	0.046683
Sentinel-1	S1B_IW_SLC__1SDV_20191106T155618_20191106T155644_018809_02375F_8297	2019-11-06	S1A_IW_SLC__1SDV_20191112T155710_20191112T155737_029880_036893_F7CE	2019-11-12	20191106_20191112	20.625	0.0446429
Sentinel-1	S1A_IW_SLC__1SDV_20191206T155710_20191206T155737_030230_0374B1_B4C3	2019-12-06	S1B_IW_SLC__1SDV_20191212T155617_20191212T155643_019334_02482D_26B6	2019-12-12	20191206_20191212	7.7107	0.0166898
Sentinel-1	S1B_IW_SLC__1SDV_20200105T155616_20200105T155642_019684_02534E_B53A	2020-01-05	S1A_IW_SLC__1SDV_20200111T155708_20200111T155735_030755_0386D2_9197	2020-01-11	20200105_20200111	21.1984	0.045884
Sentinel-1	S1B_IW_SLC__1SDV_20200210T155614_20200210T155641_020209_02642D_CC12	2020-02-10	S1A_IW_SLC__1SDV_202002				

Table S2a. Interferograms with mapped hydrological barriers - Lake Burullus							
Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
Sentinel-1	S1B_IW_SLC__1SDV_20210523T155623_20210523T155649_027034_033AD6_7530	2021-05-23	S1A_IW_SLC__1SDV_20210529T155716_20210529T155743_038105_047F40_AFAC	2021-05-29	20210523_20210529	10.0256	0.0217005
Sentinel-1	S1A_IW_SLC__1SDV_20210622T155717_20210622T155744_038455_0489A6_EA7D	2021-06-22	S1B_IW_SLC__1SDV_20210628T155625_20210628T155651_027559_034A2E_8E0A	2021-06-28	20210622_20210628	12.6623	0.0274077
Sentinel-1	S1B_IW_SLC__1SDV_20210722T155626_20210722T155652_027909_035486_2136	2021-07-22	S1A_IW_SLC__1SDV_20210728T155720_20210728T155747_038980_049963_C9AB	2021-07-28	20210722_20210728	5.7397	0.0124236
Sentinel-1	S1B_IW_SLC__1SDV_20210815T155628_20210815T155654_028259_035F0D_876B	2021-08-15	S1A_IW_SLC__1SDV_20210821T155721_20210821T155748_039330_04A515_3682	2021-08-21	20210815_20210821	4.8	0.0103897
Sentinel-1	S1A_IW_SLC__1SDV_20210902T155721_20210902T155748_039505_04AB0B_540D	2021-09-02	S1B_IW_SLC__1SDV_20210908T155629_20210908T155655_028609_0369FD_5612	2021-09-08	20210902_20210908	3.4699	0.00751066
Sentinel-1	S1B_IW_SLC__1SDV_20211014T155630_20211014T155656_029134_0379FD_A95C	2021-10-14	S1A_IW_SLC__1SDV_20211020T155723_20211020T155750_040205_04C32F_8158	2021-10-20	20211014_20211020	2.0427	0.00442135
Sentinel-1	S1B_IW_SLC__1SDV_20211107T155630_20211107T155656_029484_0384C2_7EEF	2021-11-07	S1A_IW_SLC__1SDV_20211113T155722_20211113T155749_040555_04CF58_5FE0	2021-11-13	20211107_20211113	10.5735	0.0228864
Sentinel-1	S1A_IW_SLC__1SDV_20220112T155720_20220112T155747_041430_04ED24_CDF3	2022-01-12	S1A_IW_SLC__1SDV_20220124T155719_20220124T155746_041605_04F2EE_8DA8	2022-01-24	20220112_20220124	7.5022	0.0162386
Sentinel-1	S1A_IW_SLC__1SDV_20220205T155719_20220205T155746_041780_04F8EC_CA4D	2022-02-05	S1A_IW_SLC__1SDV_20220217T155719_20220217T155746_041955_04FF02_79DD	2022-02-17	20220205_20220217	4.6895	0.0101503
Sentinel-1	S1A_IW_SLC__1SDV_20220301T155718_20220301T155745_042130_050504_3EF5	2022-03-01	S1A_IW_SLC__1SDV_20220313T155719_20220313T155746_042305_050AF2_6A94	2022-03-13	20220301_20220313	7.9911	0.0172967
Sentinel-1	S1A_IW_SLC__1SDV_20220418T155720_20220418T155746_042830_051CB4_F38C	2022-04-18	S1A_IW_SLC__1SDV_20220430T155720_20220430T155747_043005_052272_C951	2022-04-30	20220418_20220430	2.9967	0.0064863
Sentinel-1	S1A_IW_SLC__1SDV_20220524T155721_20220524T155748_043355_052D60_E05D	2022-05-24	S1A_IW_SLC__1SDV_20220605T155723_20220605T155750_043530_05328B_B7C1	2022-06-05	20220524_20220605	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20220605T155723_20220605T155750_043530_05328B_B7C1	2022-06-05	S1A_IW_SLC__1SDV_20220617T155723_20220617T155750_043705_0537BE_F7A5	2022-06-17	20220605_20220617	1.0594	0.00229306
Sentinel-1	S1A_IW_SLC__1SDV_20220804T155726_20220804T155753_044405_054C91_9C97	2022-08-04	S1A_IW_SLC__1SDV_20220816T155727_20220816T155754_044580_055228_E088	2022-08-16	20220804_20220816	4.9402	0.0106931
Sentinel-1	S1A_IW_SLC__1SDV_20221003T155729_20221003T155756_045280_0569B9_B357	2022-10-03	S1A_IW_SLC__1SDV_20221015T155729_20221015T155756_045455_056F96_7C9A	2022-10-15	20221003_20221015	5.1673	0.0111847
Sentinel-1	S1A_IW_SLC__1SDV_20221015T155729_20221015T155756_045455_056F96_7C9A	2022-10-15	S1A_IW_SLC__1SDV_20221027T155729_20221027T155756_045630_0574C2_AE02	2022-10-27	20221015_20221027	3.3421	0.00723395
Sentinel-1	S1A_IW_SLC__1SDV_20221120T155728_20221120T155755_045980_058094_B964	2022-11-20	S1A_IW_SLC__1SDV_20221202T155728_20221202T155755_046155_05868B_3EB7	2022-12-02	20221120_20221202	7.043	0.0152446
Sentinel-1	S1A_IW_SLC__1SDV_20221214T155727_20221214T155754_046330_058C87_D991	2022-12-14	S1A_IW_SLC__1SDV_20221226T155726_20221226T155753_046505_05927D_504D	2022-12-26	20221214_20221226	7.1636	0.0155055
Sentinel-1	S1A_IW_SLC__1SDV_20230107T155726_20230107T155753_046680_05985B_D9F5	2023-01-07	S1A_IW_SLC__1SDV_20230119T155725_20230119T155752_046855_059E44_AFB8	2023-01-19	20230107_20230119	7.221	0.0156299
Sentinel-1	S1A_IW_SLC__1SDV_20230212T155725_20230212T155752_047205_05AA01_5560	2023-02-12	S1A_IW_SLC__1SDV_20230224T155724_20230224T155751_047380_05AFF3_72FA	2023-02-24	20230212_20230224	7.4793	0.0161891
Sentinel-1	S1A_IW_SLC__1SDV_20230308T155724_20230308T155751_047555_05B5E0_F322	2023-03-08	S1A_IW_SLC__1SDV_20230320T155724_20230320T155751_047730_05BBC2_C452	2023-03-20	20230308_20230320	6.9884	0.0151264
Sentinel-1	S1A_IW_SLC__1SDV_20230413T155725_20230413T155752_048080_05C797_4585	2023-04-13	S1A_IW_SLC__1SDV_20230425T155726_20230425T155752_048255_05CD77_FDDF	2023-04-25	20230413_20230425	3.7836	0.00818963
Sentinel-1	S1A_IW_SLC__1SDV_20230507T155726_20230507T155753_048430_05D353_F15B	2023-05-07	S1A_IW_SLC__1SDV_20230519T155727_20230519T155754_048605_05D886_660C	2023-05-19	20230507_20230519	2.4557	0.00531536
Sentinel-1	S1A_IW_SLC__1SDV_20230612T155728_20230612T155755_048955_05E30F_1414	2023-06-12	S1A_IW_SLC__1SDV_20230624T155729_20230624T155756_049130_05E860_02F4	2023-06-24	20230612_20230624	2.0875	0.00451834
Sentinel-1	S1A_IW_SLC__1SDV_20230706T155729_20230706T155756_049305_05EDC1_031D	2023-07-06	S1A_IW_SLC__1SDV_20230718T155730_20230718T155757_049480_05F324_6BC5	2023-07-18	20230706_20230718	7.6838	0.0166316
Sentinel-1	S1A_IW_SLC__1SDV_20230811T155731_20230811T155758_049830_05FE26_AAC6	2023-08-11	S1A_IW_SLC__1SDV_20230823T155732_20230823T155759_050005_060419_5D49	2023-08-23	20230811_20230823	20.962	0.0453723
Sentinel-1	S1A_IW_SLC__1SDV_20230916T155733_20230916T155800_050355_06100B_806F	2023-09-16	S1A_IW_SLC__1SDV_20230928T155734_20230928T155801_050530_061606_9752	2023-09-28	20230916_20230928	4.8263	0.0104465
Sentinel-1	S1A_IW_SLC__1SDV_20231103T155733_20231103T155800_051055_0627FF_F45D	2023-11-03	S1A_IW_SLC__1SDV_20231115T155733_20231115T155800_051230_062E0C_3927	2023-11-15	20231103_20231115	9.9289	0.0214912
Sentinel-1	S1A_IW_SLC__1SDV_20231209T155732_20231209T155759_051580_063A23_D63C	2023-12-09	S1A_IW_SLC__1SDV_20231221T155731_20231221T155758_051755_06403D_652A	2023-12-21	20231209_20231221	8.5581	0.018524
Sentinel-1	S1A_IW_SLC__1SDV_20240114T155730_20240114T155757_052105_064C35_110D	2024-01-14	S1A_IW_SLC__1SDV_20240126T155730_20240126T155757_052280_065211_FE8A	2024-01-26	20240114_20240126	14.9404	0.0323386
Sentinel-1	S1A_IW_SLC__1SDV_20240207T155729_20240207T155756_052455_065802_80EB	2024-02-07	S1A_IW_SLC__1SDV_20240219T155729_20240219T155756_052630_065DED_5F70	2024-02-19	20240207_20240219	20.1738	0.0436663
Sentinel-1	S1A_IW_SLC__1SDV_20240302T155730_20240302T155756_052805_0663E2_FD1D	2024-03-02	S1A_IW_SLC__1SDV_20240314T155730_20240314T155756_052980_0669D8_93D6	2024-03-14	20240302_20240314	1.658	0.0035888
Sentinel-1	S1A_IW_SLC__1SDV_20240407T155730_20240407T155757_053330_067750_B58D	2024-04-07	S1A_IW_SLC__1SDV_20240419T155731_20240419T155758_053505_067E42_9FA3	2024-04-19	20240407_20240419	1.6273	0.0035222
Sentinel-1	S1A_IW_SLC__1SDV_20240513T155731_20240513T155758_053855_068B9F_079D	2024-05-13	S1A_IW_SLC__1SDV_20240525T155731_20240525T155758_054030_0691A1_4DC6	2024-05-25	20240513_20240525	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20240618T155730_20240618T155757_054380_069DB6_83CF	2024-06-18	S1A_IW_SLC__1SDV_20240630T155729_20240630T155756_054555_06A3CF_7FE7	2024-06-30	20240618_20240630	10.2421	0.0221691
Sentinel-1	S1A_IW_SLC__1SDV_20240712T155729_20240712T155756_054730_06A9E2_815E	2024-07-12	S1A_IW_SLC__1SDV_20240724T155728_20240724T155755_054905_06AFFA_56D2	2024-07-24	20240712_20240724	5.0841	0.0110046
Sentinel-1	S1A_IW_SLC__1SDV_20240805T155728_20240805T155755_055080_06B602_DF20	2024-08-05	S1A_IW_SLC__1SDV_20240817T155728_20240817T155755_055255_06BC64_338D	2024-08-17	20240805_20240817	8.4313	0.0182496
Sentinel-1	S1A_IW_SLC__1SDV_20240910T155729_20240910T155756_055605_06C9B1_1CA6	2024-09-10	S1A_IW_SLC__1SDV_20240922T155729_20240922T155756_055780_06D090_1F28	2024-09-22	20240910_20240922	7.7044	0.0166762
Sentinel-1	S1A_IW_SLC__1SDV_20241004T155730_20241004T155756_055955_06D789_ADD2	2024-10-04	S1A_IW_SLC__1SDV_20241016T155730_20241016T155757_056130_06DE67_0FA9	2024-10-16	20241004_20241016	8.6084	0.0186329
Sentinel-1	S1A_IW_SLC__1SDV_20241109T155729_20241109T155756_056480_06EC45_4DD5	2024-11-09	S1A_IW_SLC__1SDV_20241121T155729_20241121T155756_056655_06F34F_4445	2024-11-21	20241109_20241121	17.5881	0.0380694
Sentinel-1	S1A_IW_SLC__1SDV_20241203T155728_20241203T155755_056830_06FA40_3FD2	2024-12-03	S1A_IW_SLC__1SDV_20241215T155727_20241215T155754_057005_070125_DA84	2024-12-15	20241203_20241215	22.1126	0.0478627
Sentinel-1	S1A_IW_SLC__1SDV_20250108T155725_20250108T155752_057355_070F03_C4CD	2025-01-08	S1A_IW_SLC__1SDV_20250120T155724_20250120T155751_057530_0715F1_7760	2025-01-20	20250108_20250120	12.8567	0.0278285
Sentinel-1	S1A_IW_SLC__1SDV_20250201T155723_20250201T155750_057705_071CDE_1AC8	2025-02-01	S1A_IW_SLC__1SDV_20250213T155723_20250213T155750_057880_0723E1_D501	2025-02-13	20250201_20250213	10.3284	0.0223558
Sentinel-1	S1A_IW_SLC__1SDV_20250309T155723_20250309T155750_058230_073226_F455	2025-03-09	S1A_IW_SLC__1SDV_20250321T155723_20250321T155750_058405_073913_9E73	2025-03-21	20250309_20250321	3.6796	0.00796457
Sentinel-1	S1A_IW_SLC__1SDV_20250414T155723_20250414T155750_058755_074746_580C	2025-04-14	S1A_IW_SLC__1SDV_20250426T155724_20250426T155751_058930_074E68_F068	2025-04-26	20250414_20250426	0	0
Sentinel-1	S1C_IW_SLC__1SDV_20250502T155602_20250502T155629_002154_004927_73F2	2025-05-02	S1C_IW_SLC__1SDV_20250514T155602_20250514T155629_002329_004EA3_BB1C	2025-05-14	20250502_20250514	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20250601T155722_20250601T155749_059455_076165_6449	2025-06-01	S1C_IW_SLC__1SDV_20250607T155605_20250607T155632_002679_005882_C206	2025-06-07	20250601_20250607	10.8585	0.0235032
Sentinel-1	S1A_IW_SLC__1SDV_20250719T155720_20250719T155747_060155_077985_F067	2025-07-19	S1C_IW_SLC__1SDV_20250725T155608_20250725T155634_003379_006CBE_C4AB	2025-07-25	20250719_20250725	8.8594	0.0191761
Sentinel-1	S1C_IW_SLC__1SDV_20250806T155608_20250806T155635_003554_0071E1_D322	2025-08-06	S1A_IW_SLC__1SDV_20250812T155719_20250812T155746_060505_078607_4C31	2025-08-12	20250806_20250812	4.0664	0.00880175
Sentinel-1	S1C_IW_SLC__1SDV_20250911T155610_20250911T155637_004079_0081B2_DA5A	2025-09-11	S1A_IW_SLC__1SDV_20250917T155720_20250917T155747_061030_079ADE_BF93	2025-09-17	20250911_20250917	4.9602	0.0107363
Sentinel-1	S1C_IW_SLC__1SDV_20251017T155610_20251017T155637_004604_0091A6_C52F	2025-10-17	S1A_IW_SLC__1SDV_20251023T155720_20251023T155747_061555_07AFFE_016B	2025-10-23	20251017_20251023	25.6865	0.0555984
Sentinel-1	S1C_IW_SLC__1SDV_20251122T155609_20251122T155636_005129_00A2AD_F824	2025-11-22	S1A_IW_SLC__1SDV_20251128T155718_20251128T155745_062080_07C48E_F3B2	2025-11-28	20251122_20251128	17.0973	0.0370071
Sentinel-1	S1A_IW_SLC__1SDV_20251210T155717_20251210T155744_062255_07CB6B_0983	2025-12-10	S1C_IW_SLC__1SDV_20251216T155608_20251216T155635_005479_00AE97_788F	2025-12-16	20251210_20251216	18.6232	0.0403099

Table S2a. Interferograms with mapped hydrological barriers - Amvrakikos gulf							
Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
Sentinel-1	S1A_IW_SLC__1SDV_20150109T163131_20150109T163159_004097_004F52_D2B1	2015-01-09	S1A_IW_SLC__1SDV_20150121T163131_20150121T163158_004272_00531F_B7ED	2015-01-21	20150109_20150121	1.3818	0.00584308
Sentinel-1	S1A_IW_SLC__1SDV_20150214T163130_20150214T163158_004622_005B1E_33EB	2015-02-14	S1A_IW_SLC__1SDV_20150226T163130_20150226T163158_004797_005F60_F313	2015-02-26	20150214_20150226	3.0565	0.0129245
Sentinel-1	S1A_IW_SLC__1SDV_20150310T163131_20150310T163158_004972_00638F_34E7	2015-03-10	S1A_IW_SLC__1SDV_20150322T163131_20150322T163158_005147_0067CE_CF38	2015-03-22	20150310_20150322	3.123	0.0132057
Sentinel-1	S1A_IW_SLC__1SDV_20150403T163131_20150403T163158_005322_006BCD_5B11	2015-04-03	S1A_IW_SLC__1SDV_20150415T163132_20150415T163159_005497_00704D_E241	2015-04-15	20150403_20150415	2.2937	0.00969898
Sentinel-1	S1A_IW_SLC__1SDV_20150427T163133_20150427T163200_005672_007467_F624	2015-04-27	S1A_IW_SLC__1SDV_20150509T163134_20150509T163201_005847_007866_1B49	2015-05-09	20150427_20150509	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20150614T163135_20150614T163202_006372_008654_C748	2015-06-14	S1A_IW_SLC__1SDV_20150626T163136_20150626T163203_006547_008B51_C4E4	2015-06-26	20150614_20150626	3.0836	0.013039
Sentinel-1	S1A_IW_SLC__1SDV_20150906T163133_20150906T163200_007597_00A84A_B0DB	2015-09-06	S1A_IW_SLC__1SDV_20150918T163133_20150918T163201_007772_00ACE7_35BB	2015-09-18	20150906_20150918	2.8673	0.0121243
Sentinel-1	S1A_IW_SLC__1SDV_20151012T163133_20151012T163201_008122_00B643_1E92	2015-10-12	S1A_IW_SLC__1SDV_20151024T163133_20151024T163201_008297_00BB23_81EE	2015-10-24	20151012_20151024	0.64934	0.00274574
Sentinel-1	S1A_IW_SLC__1SDV_20160714T163137_20160714T163204_012147_012D2D_DE2A	2016-07-14	S1A_IW_SLC__1SDV_20160726T163138_20160726T163205_012322_0132D2_764A	2016-07-26	20160714_20160726	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20160807T163139_20160807T163206_012497_0138B9_F8B4	2016-08-07	S1A_IW_SLC__1SDV_20160819T163139_20160819T163206_012672_013E75_51FC	2016-08-19	20160807_20160819	1.799	0.00760709
Sentinel-1	S1A_IW_SLC__1SDV_20160912T163140_20160912T163207_013022_0149FF_2412	2016-09-12	S1A_IW_SLC__1SDV_20160924T163141_20160924T163208_013197_014FD9_80CB	2016-09-24	20160912_20160924	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20161006T163141_20161006T163208_013372_01554F_F08D	2016-10-06	S1A_IW_SLC__1SDV_20161018T163141_20161018T163208_013547_015AEB_5994	2016-10-18	20161006_20161018	2.4111	0.0101952
Sentinel-1	S1A_IW_SLC__1SDV_20170122T163137_20170122T163204_014947_018655_1B55	2017-01-22	S1B_IW_SLC__1SDV_20170128T163107_20170128T163135_004051_007008_E70E	2017-01-28	20170122_20170128	1.6251	0.00687184
Sentinel-1	S1A_IW_SLC__1SDV_20170215T163137_20170215T163204_015297_019128_BB54	2017-02-15	S1B_IW_SLC__1SDV_20170221T163107_20170221T163135_004401_007A7D_2DC7	2017-02-21	20170215_20170221	0.997985	0.00421999
Sentinel-1	S1A_IW_SLC__1SDV_20170323T163137_20170323T163204_015822_01A0FE_7097	2017-03-23	S1B_IW_SLC__1SDV_20170329T163107_20170329T163135_004926_0089C2_A695	2017-03-29	20170323_20170329	3.7	0.0156455
Sentinel-1	S1A_IW_SLC__1SDV_20170404T163138_20170404T163205_015997_01A62F_B680	2017-04-04	S1B_IW_SLC__1SDV_20170410T163108_20170410T163136_005101_008ECF_6770	2017-04-10	20170404_20170410	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20170901T163113_20170901T163141_007201_00CB18_BCC8	2017-09-01	S1A_IW_SLC__1SDV_20170907T163146_20170907T163213_018272_01EB91_5590	2017-09-07	20170901_20170907	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20171025T163147_20171025T163214_018972_0200FE_5C26	2017-10-25	S1B_IW_SLC__1SDV_20171031T163114_20171031T163142_008076_00E450_617F	2017-10-31	20171025_20171031	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20171112T163114_20171112T163142_008251_00E97B_A62C	2017-11-12	S1A_IW_SLC__1SDV_20171118T163146_20171118T163213_019322_020BE0_2DAF	2017-11-18	20171112_20171118	2.5083	0.0106066
Sentinel-1	S1A_IW_SLC__1SDV_20180105T163144_20180105T163211_020022_0221BE_4278	2018-01-05	S1B_IW_SLC__1SDV_20180111T163112_20180111T163140_009126_01053C_F2B3	2018-01-11	20180105_20180111	3.6895	0.0156009
Sentinel-1	S1B_IW_SLC__1SDV_20180204T163111_20180204T163139_009476_0110AE_BC48	2018-02-04	S1A_IW_SLC__1SDV_20180210T163144_20180210T163211_020547_023277_9AE4	2018-02-10	20180204_20180210	0.760094	0.00321406
Sentinel-1	S1A_IW_SLC__1SDV_20180306T163143_20180306T163210_020897_023D94_E107	2018-03-06	S1B_IW_SLC__1SDV_20180312T163111_20180312T163139_010001_01221D_C6DA	2018-03-12	20180306_20180312	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20180411T163144_20180411T163211_021422_024E24_CBEC	2018-04-11	S1B_IW_SLC__1SDV_20180417T163112_20180417T163140_010526_01330E_5B2B	2018-04-17	20180411_20180417	1.7859	0.0075516
Sentinel-1	S1A_IW_SLC__1SDV_20180704T163149_20180704T163216_022647_02742B_603E	2018-07-04	S1B_IW_SLC__1SDV_20180710T163116_20180710T163144_0111751_0159E4_2186	2018-07-10	20180704_20180710	1.3544	0.0057269
Sentinel-1	S1A_IW_SLC__1SDV_20180914T163153_20180914T163220_023697_029542_C9CF	2018-09-14	S1B_IW_SLC__1SDV_20180920T163120_20180920T163148_012801_017A1C_C664	2018-09-20	20180914_20180920	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20181113T163153_20181113T163220_024572_02B287_D764	2018-11-13	S1B_IW_SLC__1SDV_20181119T163120_20181119T163148_013676_01953C_9E65	2018-11-19	20181113_20181119	4.4932	0.0189996
Sentinel-1	S1A_IW_SLC__1SDV_20190124T163151_20190124T163218_025622_02D827_F91A	2019-01-24	S1B_IW_SLC__1SDV_20190130T163118_20190130T163146_014726_01B751_27B4	2019-01-30	20190124_20190130	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20190211T163118_20190211T163145_014901_01BD0E_02CD	2019-02-11	S1A_IW_SLC__1SDV_20190217T163150_20190217T163217_025972_02E4AF_55FB	2019-02-17	20190211_20190217	1.2658	0.00535245
Sentinel-1	S1A_IW_SLC__1SDV_20190325T163150_20190325T163217_026497_02F7CC_8AFD	2019-03-25	S1B_IW_SLC__1SDV_20190331T163118_20190331T163146_015601_01D3F4_3BEB	2019-03-31	20190325_20190331	3.0883	0.013059
Sentinel-1	S1B_IW_SLC__1SDV_20190412T163118_20190412T163146_015776_01D9C5_6414	2019-04-12	S1A_IW_SLC__1SDV_20190418T163151_20190418T163218_026847_030499_381F	2019-04-18	20190412_20190418	4.1327	0.0174753
Sentinel-1	S1B_IW_SLC__1SDV_20190518T163120_20190518T163148_016301_01EADD_BE81	2019-05-18	S1A_IW_SLC__1SDV_20190524T163153_20190524T163219_027372_03165C_C9EC	2019-05-24	20190518_20190524	2.5635	0.0108399
Sentinel-1	S1B_IW_SLC__1SDV_20190623T163122_20190623T163150_016826_01FA9A_7176	2019-06-23	S1A_IW_SLC__1SDV_20190629T163154_20190629T163221_027897_032646_A3DD	2019-06-29	20190623_20190629	2.7299	0.0115435
Sentinel-1	S1B_IW_SLC__1SDV_20190705T163123_20190705T163150_017001_01FFC9_D999	2019-07-05	S1A_IW_SLC__1SDV_20190711T163155_20190711T163222_028072_032B94_826B	2019-07-11	20190705_20190711	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20190804T163157_20190804T163224_028422_033637_F653	2019-08-04	S1B_IW_SLC__1SDV_20190810T163125_20190810T163153_017526_020F5F_F2A0	2019-08-10	20190804_20190810	0.822257	0.00347692
Sentinel-1	S1B_IW_SLC__1SDV_20190903T163126_20190903T163154_017876_021A42_D586	2019-09-03	S1A_IW_SLC__1SDV_20190909T163159_20190909T163226_028947_034849_9ACA	2019-09-09	20190903_20190909	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20191009T163127_20191009T163155_018401_022AA1_B19B	2019-10-09	S1A_IW_SLC__1SDV_20191015T163200_20191015T163227_029472_035A51_F5E1	2019-10-15	20191009_20191015	0.788046	0.00333226
Sentinel-1	S1B_IW_SLC__1SDV_20191102T163127_20191102T163155_018751_02357D_63C5	2019-11-02	S1A_IW_SLC__1SDV_20191108T163200_20191108T163227_029822_036688_5151	2019-11-08	20191102_20191108	2.6001	0.0109944
Sentinel-1	S1B_IW_SLC__1SDV_20191208T163126_20191208T163154_019276_024651_D436	2019-12-08	S1A_IW_SLC__1SDV_20191214T163159_20191214T163225_030347_0378B1_AC86	2019-12-14	20191208_20191214	5.0291	0.0212655
Sentinel-1	S1B_IW_SLC__1SDV_20200113T163125_20200113T163153_019801_025706_9DD6	2020-01-13	S1A_IW_SLC__1SDV_20200119T163157_20200119T163224_030872_038AF0_E3E4	2020-01-19	20200113_20200119	5.1889	0.0219414
Sentinel-1	S1B_IW_SLC__1SDV_20200313T163124_20200313T163152_020676_02731E_CBDf	2020-03-13	S1A_IW_SLC__1SDV_20200319T163156_20200319T163223_031747_03A952_0B9A	2020-03-19	20200313_20200319	3.3454	0.0141462
Sentinel-1	S1B_IW_SLC__1SDV_20200418T163125_20200418T163153_021201_0283B5_3BAC	2020-04-18	S1A_IW_SLC__1SDV_20200424T163157_20200424T163224_032272_03BBCB_9B40	2020-04-24	20200418_20200424	0.937818	0.00396557
Sentinel-1	S1A_IW_SLC__1SDV_20200518T163159_20200518T163226_032622_03C73F_F940	2020-05-18	S1B_IW_SLC__1SDV_20200524T163126_20200524T163154_021726_0293CA_8476	2020-05-24	20200518_20200524	4.1668	0.0176192
Sentinel-1	S1A_IW_SLC__1SDV_20200623T163201_20200623T163228_033147_03D707_4D20	2020-06-23	S1B_IW_SLC__1SDV_20200629T163128_20200629T163156_022251_02A3B1_43A5	2020-06-29	20200623_20200629	0.904624	0.00382521
Sentinel-1	S1B_IW_SLC__1SDV_20200711T163129_20200711T163157_022426_02A903_FF6E	2020-07-11	S1A_IW_SLC__1SDV_20200717T163202_20200717T163229_033497_03E1AD_3E3A	2020-07-17	20200711_20200717	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20200816T163131_20200816T163159_022951_02B90D_8480	2020-08-16	S1A_IW_SLC__1SDV_20200822T163204_20200822T163231_034022_03F2DF_3A85	2020-08-22	20200816_20200822	2.2275	0.00941908
Sentinel-1	S1B_IW_SLC__1SDV_20200921T163133_20200921T163201_023476_02C988_3E8F	2020-09-21	S1A_IW_SLC__1SDV_20200927T163206_20200927T163233_034547_040560_678A	2020-09-27	20200921_20200927	3.6405	0.015394
Sentinel-1	S1A_IW_SLC__1SDV_20201021T163206_20201021T163233_034897_041199_99C4	2020-10-21	S1B_IW_SLC__1SDV_20201027T163133_20201027T163201_024001_02D9F0_38DE	2020-10-27	20201021_20201027	4.2622	0.0180227
Sentinel-1	S1A_IW_SLC__1SDV_20201102T163206_20201102T163233_035072_041796_8F57	2020-11-02	S1B_IW_SLC__1SDV_20201108T163133_20201108T163201_024176_02DF56_F3DA	2020-11-08	20201102_20201108	1.5968	0.00675217
Sentinel-1	S1B_IW_SLC__1SDV_20201202T163133_20201202T163201_024526_02EA61_192F	2020-12-02	S1A_IW_SLC__1SDV_20201208T163205_20201208T163232_035597_0429CE_3E72	2020-12-08	20201202_20201208	2.3906	0.0101086
Sentinel-1	S1B_IW_SLC__1SDV_20210212T163130_20210212T163158_025576_030C3D_CB7C	2021-02-12	S1A_IW_SLC__1SDV_20210218T163202_20210218T163229_036647_044E4D_558E	2021-02-18	20210212_20210218	0.916706	0.0038763
Sentinel-1	S1B_IW_SLC__1SDV_20210507T163131_20210507T163159_026801_03339E_C878	2021-05-07	S1A_IW_SLC__1SDV_20210513T163204_20210513T163231_037872_04783F_C2BA	2021-05-13	20210507_20210513	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20210706T163135_20210706T163203_027676_034D93_D6A5	2021-07-06	S1A_IW_SLC__1SDV_20210712T163208_20210712T163235_038747_04927A_4DE6	2021-07-12	20210706_20210712	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20210904T163138_20210904T163206_028551_03683E_514E	2021-09-04	S1A_IW_SLC__1SDV_20210910T163211_20210910T163238_039622_04AF1A_BAA1	2021-09-10	20210904_20210910	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20211016T163212_20211016T163239_040147_04C12A_EEB1	2021-10-16	S1B_IW_SLC__1SDV_20211022T163139_20211022T163207_029251_037DA8_39F9	2021-10-22	20211016_20211022	4.637	0.0196076
Sentinel-1	S1A_IW_SLC__1SDV_20220120T163208_20220120T163235_041547_04F0E9_BA60	2022-01-20	S1B_IW_SLC__1SDV_20220201T163208_20220201T163235_041722_04F6E6_C995	2022-02-01	20220120_20220201	2.0755	0.00877622
Sentinel-1	S1A_IW_SLC__1SDV_20220309T163208_20220309T163235_042247_050906_15B3	2022-03-09	S1A_IW_SLC__1SDV_20220321T163208_20220321T163235_042422_050EF2_F5E5	2022-03-21	20220309_20220321	1.3454	0.00568885
Sentinel-1	S1A_IW_SLC__1SDV_20220812T163216_20220812T163243_044522_055029_E02A	2022-08-12	S1A_IW_SLC__1SDV_20220824T163216_20220824T163243_044697_055619_5311	2022-08-24	20220812_2022		

Table S2a. Interferograms with mapped hydrological barriers - Amvrakikos gulf

Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
Sentinel-1	S1A_IW_SLC__1SDV_20251019T163210_20251019T163237_061497_07AD9C_45EF	2025-10-19	S1C_IW_SLC__1SDV_20251025T163122_20251025T163149_004721_009535_9010	2025-10-25	20251019_20251025	2.1774	0.00920734
Sentinel-1	S1A_IW_SLC__1SDV_20251218T163206_20251218T163233_062372_07CFE3_ACBA	2025-12-18	S1C_IW_SLC__1SDV_20251224T163119_20251224T163146_005596_00B2A0_9A10	2025-12-24	20251218_20251224	0	0

Table S2a. Interferograms with mapped hydrological barriers - Axios, Loudias, Aliakmon Delta

Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
NISAR	NISAR_L2_PR_GSLC_003_158_A_022_2005_DHDH_A_20251028T033544_20251028T033619_X05009_N_F_J_001	2025-10-28	NISAR_L2_PR_GSLC_004_158_A_022_2005_DHDH_A_20251109T033545_20251109T033620_X05009_N_F_J_001	2025-11-09	20251028_20251109	0	0
NISAR	NISAR_L2_PR_GSLC_004_158_A_022_2005_DHDH_A_20251109T033545_20251109T033620_X05009_N_F_J_001	2025-11-09	NISAR_L2_PR_GSLC_005_158_A_022_2005_DHDH_A_20251121T033545_20251121T033620_X05009_N_F_J_001	2025-11-21	20251109_20251121	6.1084	0.0517311
NISAR	NISAR_L2_PR_GSLC_005_158_A_022_2005_DHDH_A_20251121T033545_20251121T033620_X05009_N_F_J_001	2025-11-21	NISAR_L2_PR_GSLC_006_158_A_022_2005_DHDH_A_20251203T033546_20251203T033621_X05009_N_F_J_001	2025-12-03	20251121_20251203	0.946008	0.00801159
NISAR	NISAR_L2_PR_GSLC_006_158_A_022_2005_DHDH_A_20251203T033546_20251203T033621_X05009_N_F_J_001	2025-12-03	NISAR_L2_PR_GSLC_007_158_A_022_2005_DHDH_A_20251215T033546_20251215T033621_X05009_N_F_J_001	2025-12-15	20251203_20251215	2.2213	0.0188119
NISAR	NISAR_L2_PR_GSLC_007_158_A_022_2005_DHDH_A_20251215T033546_20251215T033621_X05009_N_F_J_001	2025-12-15	NISAR_L2_PR_GSLC_008_158_A_022_2005_DHDH_A_20251227T033547_20251227T033622_X05009_N_F_J_001	2025-12-27	20251215_20251227	1.71	0.0144821

Table S2a. Interferograms with mapped hydrological barriers - Kotychi lagoons							
Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
Sentinel-1	S1A_IW_SLC__1SDV_20150109T163106_20150109T163134_004097_004F52_1809	2015-01-09	S1A_IW_SLC__1SDV_20150121T163106_20150121T163133_004272_00531F_E47A	2015-01-21	20150109_20150121	2.5068	0.0397779
Sentinel-1	S1A_IW_SLC__1SDV_20150214T163106_20150214T163133_004622_005B1E_D82C	2015-02-14	S1A_IW_SLC__1SDV_20150226T163105_20150226T163133_004797_005F60_925B	2015-02-26	20150214_20150226	1.1197	0.0177671
Sentinel-1	S1A_IW_SLC__1SDV_20150310T163106_20150310T163133_004972_00638F_1AB2	2015-03-10	S1A_IW_SLC__1SDV_20150322T163106_20150322T163133_005147_0067CE_E31C	2015-03-22	20150310_20150322	0.652064	0.0103469
Sentinel-1	S1A_IW_SLC__1SDV_20150403T163106_20150403T163133_005322_006BCD_CC4D	2015-04-03	S1A_IW_SLC__1SDV_20150415T163107_20150415T163134_005497_00704D_6006	2015-04-15	20150403_20150415	0.88575	0.0140551
Sentinel-1	S1A_IW_SLC__1SDV_20150521T163109_20150521T163136_006022_007C48_72C3	2015-05-21	S1A_IW_SLC__1SDV_20150602T163110_20150602T163137_006197_008143_685A	2015-06-02	20150521_20150602	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20150602T163110_20150602T163137_006197_008143_685A	2015-06-02	S1A_IW_SLC__1SDV_20150614T163111_20150614T163138_006372_008654_1714	2015-06-14	20150602_20150614	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20150813T163132_20150813T163159_007247_009EBF_746A	2015-08-13	S1A_IW_SLC__1SDV_20150825T163132_20150825T163200_007422_00A376_6AC1	2015-08-25	20150813_20150825	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20150918T163133_20150918T163201_007772_00ACE7_35BB	2015-09-18	S1A_IW_SLC__1SDV_20150930T163133_20150930T163201_007947_00B1AA_C60C	2015-09-30	20150918_20150930	2.6608	0.0422211
Sentinel-1	S1A_IW_SLC__1SDV_20151012T163133_20151012T163201_008122_00B643_1E92	2015-10-12	S1A_IW_SLC__1SDV_20151024T163133_20151024T163201_008297_00BB23_81EE	2015-10-24	20151012_20151024	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20151105T163133_20151105T163201_008472_00BFA6_D862	2015-11-05	S1A_IW_SLC__1SDV_20151117T163127_20151117T163155_008647_00C499_5DC1	2015-11-17	20151105_20151117	1.3059	0.0207221
Sentinel-1	S1A_IW_SLC__1SDV_20151211T163128_20151211T163155_008997_00CE55_CEBF	2015-12-11	S1A_IW_SLC__1SDV_20151223T163122_20151223T163148_009172_00D340_D0BA	2015-12-23	20151211_20151223	1.0603	0.0168252
Sentinel-1	S1A_IW_SLC__1SDV_20160128T163126_20160128T163153_009697_00E267_FFCF	2016-01-28	S1A_IW_SLC__1SDV_20160209T163120_20160209T163147_009872_00E765_BFCD	2016-02-09	20160128_20160209	2.9221	0.0463673
Sentinel-1	S1A_IW_SLC__1SDV_20160209T163120_20160209T163147_009872_00E765_BFCD	2016-02-09	S1A_IW_SLC__1SDV_20160221T163126_20160221T163153_010047_00EC9F_166A	2016-02-21	20160209_20160221	2.6017	0.041283
Sentinel-1	S1A_IW_SLC__1SDV_20160304T163120_20160304T163147_010222_00F184_3662	2016-03-04	S1A_IW_SLC__1SDV_20160316T163126_20160316T163153_010397_00F680_3DA2	2016-03-16	20160304_20160316	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20160409T163127_20160409T163154_010747_0100AF_D1F7	2016-04-09	S1A_IW_SLC__1SDV_20160421T163122_20160421T163149_010922_0105FB_4C36	2016-04-21	20160409_20160421	1.3312	0.0211227
Sentinel-1	S1A_IW_SLC__1SDV_20160515T163123_20160515T163150_011272_011115_7729	2016-05-15	S1A_IW_SLC__1SDV_20160527T163129_20160527T163156_011447_0116DC_A883	2016-05-27	20160515_20160527	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20160714T163137_20160714T163204_012147_012D2D_DE2A	2016-07-14	S1A_IW_SLC__1SDV_20160726T163138_20160726T163205_012322_0132D2_764A	2016-07-26	20160714_20160726	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20160807T163139_20160807T163206_012497_0138B9_F8B4	2016-08-07	S1A_IW_SLC__1SDV_20160819T163139_20160819T163206_012672_013E75_51FC	2016-08-19	20160807_20160819	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20160912T163140_20160912T163207_013022_0149FF_2412	2016-09-12	S1A_IW_SLC__1SDV_20160924T163141_20160924T163208_013197_014FD9_80CB	2016-09-24	20160912_20160924	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20161018T163141_20161018T163208_013547_015AEB_5994	2016-10-18	S1A_IW_SLC__1SDV_20161030T163141_20161030T163208_013722_01603F_4094	2016-10-30	20161018_20161030	0.655038	0.0103941
Sentinel-1	S1A_IW_SLC__1SDV_20161111T163141_20161111T163208_013897_0165D7_9776	2016-11-11	S1B_IW_SLC__1SDV_20161117T163046_20161117T163113_003001_005196_5012	2016-11-17	20161111_20161117	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20161217T163140_20161217T163207_014422_01761E_242C	2016-12-17	S1B_IW_SLC__1SDV_20161223T163045_20161223T163112_003526_006069_1215	2016-12-23	20161217_20161223	1.7047	0.0270494
Sentinel-1	S1B_IW_SLC__1SDV_20170116T163043_20170116T163110_003876_006ABC_E57D	2017-01-16	S1A_IW_SLC__1SDV_20170122T163137_20170122T163204_014947_018655_1B55	2017-01-22	20170116_20170122	3.018	0.0478899
Sentinel-1	S1A_IW_SLC__1SDV_20170215T163137_20170215T163204_015297_019128_BB54	2017-02-15	S1B_IW_SLC__1SDV_20170221T163042_20170221T163109_004401_007A7D_2907	2017-02-21	20170215_20170221	3.898	0.0618535
Sentinel-1	S1B_IW_SLC__1SDV_20170305T163042_20170305T163109_004576_007F97_7C3C	2017-03-05	S1A_IW_SLC__1SDV_20170311T163137_20170311T163204_015647_019BCB_B1FB	2017-03-11	20170305_20170311	0.471243	0.00747768
Sentinel-1	S1A_IW_SLC__1SDV_20170416T163138_20170416T163205_016172_01AB8D_6401	2017-04-16	S1B_IW_SLC__1SDV_20170422T163044_20170422T163111_005276_0093DC_1732	2017-04-22	20170416_20170422	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20170522T163140_20170522T163207_016697_01BB8D_A5B8	2017-05-22	S1B_IW_SLC__1SDV_20170528T163045_20170528T163112_005801_00A2B5_7B62	2017-05-28	20170522_20170528	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20170609T163043_20170609T163110_005976_00A7C8_FF44	2017-06-09	S1A_IW_SLC__1SDV_20170615T163141_20170615T163208_017047_01C85C_6867	2017-06-15	20170609_20170615	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20170721T163143_20170721T163210_017572_01D647_1E73	2017-07-21	S1B_IW_SLC__1SDV_20170727T163046_20170727T163113_006676_00BBE1_E16C	2017-07-27	20170721_20170727	?	
Sentinel-1	S1A_IW_SLC__1SDV_20170802T163144_20170802T163211_017747_01DBA1_43BC	2017-08-02	S1B_IW_SLC__1SDV_20170808T163047_20170808T163114_006851_00C0F0_AB63	2017-08-08	20170802_20170808	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20170901T163048_20170901T163115_007201_00CB18_CCAE	2017-09-01	S1A_IW_SLC__1SDV_20170907T163146_20170907T163213_018272_01EB91_5590	2017-09-07	20170901_20170907	?	
Sentinel-1	S1A_IW_SLC__1SDV_20171025T163147_20171025T163214_018972_0200FE_5C26	2017-10-25	S1B_IW_SLC__1SDV_20171031T163049_20171031T163116_008076_00E450_811A	2017-10-31	20171025_20171031	1.0387	0.0164829
Sentinel-1	S1B_IW_SLC__1SDV_20171112T163049_20171112T163116_008251_00E97B_EAA1	2017-11-12	S1A_IW_SLC__1SDV_20171118T163146_20171118T163213_019322_020BE0_2DAF	2017-11-18	20171112_20171118	?	
Sentinel-1	S1B_IW_SLC__1SDV_20171206T163048_20171206T163115_008601_00F456_FF22	2017-12-06	S1A_IW_SLC__1SDV_20171212T163146_20171212T163213_019672_0216D6_FE32	2017-12-12	20171206_20171212	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20180111T163047_20180111T163114_009126_01053C_D81F	2018-01-11	S1B_IW_SLC__1SDV_20180123T163046_20180123T163113_009301_010AF1_D7E5	2018-01-23	20180111_20180123	1.6753	0.0265829
Sentinel-1	S1B_IW_SLC__1SDV_20180216T163046_20180216T163113_009651_011672_8D79	2018-02-16	S1B_IW_SLC__1SDV_20180228T163046_20180228T163113_009826_011C3D_DCF7	2018-02-28	20180216_20180228	1.7515	0.0277921
Sentinel-1	S1B_IW_SLC__1SDV_20180312T163046_20180312T163113_010001_01221D_A59A	2018-03-12	S1B_IW_SLC__1SDV_20180324T163046_20180324T163113_010176_0127C6_84F4	2018-03-24	20180312_20180324	0.985302	0.0156348
Sentinel-1	S1B_IW_SLC__1SDV_20180417T163047_20180417T163114_010526_01330E_EC36	2018-04-17	S1B_IW_SLC__1SDV_20180429T163048_20180429T163115_010701_0138AA_DE86	2018-04-29	20180417_20180429	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20180511T163048_20180511T163115_010876_013E50_E883	2018-05-11	S1B_IW_SLC__1SDV_20180523T163049_20180523T163116_011051_014401_B169	2018-05-23	20180511_20180523	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20180604T163049_20180604T163116_011226_0149A8_637D	2018-06-04	S1B_IW_SLC__1SDV_20180616T163050_20180616T163117_011401_014F07_A496	2018-06-16	20180604_20180616	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20180710T163052_20180710T163119_011751_0159E4_13E7	2018-07-10	S1B_IW_SLC__1SDV_20180722T163053_20180722T163120_011926_015F3E_D578	2018-07-22	20180710_20180722	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20180815T163054_20180815T163121_012276_0169EB_17FD	2018-08-15	S1B_IW_SLC__1SDV_20180827T163054_20180827T163121_012451_016F5C_DAD4	2018-08-27	20180815_20180827	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20180908T163055_20180908T163122_012626_0174C2_172C	2018-09-08	S1B_IW_SLC__1SDV_20180920T163055_20180920T163122_012801_017A1C_6D65	2018-09-20	20180908_20180920	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20181002T163056_20181002T163123_012976_017F77_2DFF	2018-10-02	S1B_IW_SLC__1SDV_20181014T163056_20181014T163123_013151_0184CB_992C	2018-10-14	20181002_20181014	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20181119T163056_20181119T163123_013676_01953C_9144	2018-11-19	S1B_IW_SLC__1SDV_20181201T163055_20181201T163122_013851_019AD6_6852	2018-12-01	20181119_20181201	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20181201T163055_20181201T163122_013851_019AD6_6852	2018-12-01	S1B_IW_SLC__1SDV_20181213T163055_20181213T163122_014026_01A083_77DC	2018-12-13	20181201_20181213	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20190106T163054_20190106T163121_014376_01AC0D_DC91	2019-01-06	S1B_IW_SLC__1SDV_20190118T163053_20190118T163120_014551_01B1B2_5B3E	2019-01-18	20190106_20190118	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20190211T163053_20190211T163120_014901_01BD0E_BE73	2019-02-11	S1B_IW_SLC__1SDV_20190223T163053_20190223T163120_015076_01C2C9_B0AA	2019-02-23	20190211_20190223	1.7403	0.0276147
Sentinel-1	S1B_IW_SLC__1SDV_20190307T163053_20190307T163119_015251_01C893_D154	2019-03-07	S1B_IW_SLC__1SDV_20190319T163053_20190319T163119_015426_01CE3E_IDF1	2019-03-19	20190307_20190319	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20190412T163053_20190412T163120_015776_01D9C5_001E	2019-04-12	S1B_IW_SLC__1SDV_20190424T163054_20190424T163121_015951_01DF93_45FD	2019-04-24	20190412_20190424	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20190506T163054_20190506T163121_016126_01E571_6209	2019-05-06	S1B_IW_SLC__1SDV_20190518T163055_20190518T163122_016301_01EADD_8117	2019-05-18	20190506_20190518	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20190611T163056_20190611T163123_016651_01F56B_8021	2019-06-11	S1B_IW_SLC__1SDV_20190623T163057_20190623T163124_016826_01FA9A_DC42	2019-06-23	20190611_20190623	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20190717T163058_20190717T163125_017176_0204EF_8A70	2019-07-17	S1B_IW_SLC__1SDV_20190729T163059_20190729T163126_017351_020A0F_B693	2019-07-29	20190717_20190729	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20190810T163100_20190810T163127_017526_020F5F_7898	2019-08-10	S1B_IW_SLC__1SDV_20190822T163101_20190822T163127_017701_0214D7_3E3A	2019-08-22	20190810_20190822	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20190903T163101_20190903T163128_017876_021A42_E459	2019-09-03	S1B_IW_SLC__1SDV_20190915T163102_20190915T163129_018051_021FB7_F22F	2019-09-15	20190903_20190915	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20191009T163102_20191009T163129_018401_022AA1_9743	2019-10-09	S1B_IW_SLC__1SDV_20191021T163102_20191021T163129_018576_022FFE_27B9	2019-10-21	20191009_20191021	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20191102T163102_20191102T163129_018751_02357D_A4D5	2019-11-02	S1B_IW_SLC__1SDV_20191114T163102_20191114T163129_018926_023B27_28F8	2019-11-14	20191102_20191114	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20191208T163101_20191208T163128_019276_024651_083C	2019-12-08	S1B_IW_SLC__1SDV_20191220T163101_20191220T163128_019451_024BE6_2A48	2019-12-20	20191208_20191220	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20200113T163100_20200113T163127_019801_025706_7852</						

Table S2a. Interferograms with mapped hydrological barriers - Kotychi lagoons							
Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
Sentinel-1	S1B_IW_SLC__1SDV_20210212T163105_20210212T163132_025576_030C3D_A44D	2021-02-12	S1B_IW_SLC__1SDV_20210224T163105_20210224T163132_025751_0311F3_3FE5	2021-02-24	20210212_20210224	2.917	0.0462866
Sentinel-1	S1B_IW_SLC__1SDV_20210308T163105_20210308T163132_025926_0317AF_57DF	2021-03-08	S1B_IW_SLC__1SDV_20210320T163105_20210320T163132_026101_031D50_8215	2021-03-20	20210308_20210320	1.5014	0.0238247
Sentinel-1	S1B_IW_SLC__1SDV_20210413T163105_20210413T163132_026451_032869_4C35	2021-04-13	S1B_IW_SLC__1SDV_20210425T163106_20210425T163133_026626_032E06_61DC	2021-04-25	20210413_20210425	0.957384	0.0151917
Sentinel-1	S1B_IW_SLC__1SDV_20210519T163107_20210519T163134_026976_03390F_4DB2	2021-05-19	S1B_IW_SLC__1SDV_20210531T163108_20210531T163135_027151_033E42_AB3D	2021-05-31	20210519_20210531	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20210612T163109_20210612T163136_027326_034383_447A	2021-06-12	S1B_IW_SLC__1SDV_20210624T163109_20210624T163136_027501_03486E_A426	2021-06-24	20210612_20210624	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20210718T163111_20210718T163138_027851_0352C6_7543	2021-07-18	S1B_IW_SLC__1SDV_20210730T163112_20210730T163138_028026_0357E5_A3DC	2021-07-30	20210718_20210730	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20210811T163112_20210811T163139_028201_035D4F_55D6	2021-08-11	S1B_IW_SLC__1SDV_20210823T163113_20210823T163140_028376_0362C7_5857	2021-08-23	20210811_20210823	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20210904T163113_20210904T163140_028551_03683E_D152	2021-09-04	S1B_IW_SLC__1SDV_20210916T163114_20210916T163141_028726_036D9D_5EB7	2021-09-16	20210904_20210916	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20211010T163114_20211010T163141_029076_03783A_73CA	2021-10-10	S1B_IW_SLC__1SDV_20211022T163115_20211022T163141_029251_037DA8_ED64	2021-10-22	20211010_20211022	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20211115T163114_20211115T163141_029601_03885C_893C	2021-11-15	S1B_IW_SLC__1SDV_20211127T163114_20211127T163141_029776_038DD4_E8D8	2021-11-27	20211115_20211127	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20211209T163113_20211209T163140_029951_03935D_8C2E	2021-12-09	S1B_IW_SLC__1SDV_20211221T163112_20211221T163139_030126_0398E8_A2AC	2021-12-21	20211209_20211221	1.3947	0.0221318
Sentinel-1	S1A_IW_SLC__1SDV_20220120T163208_20220120T163235_041547_04F0E9_BA60	2022-01-20	S1A_IW_SLC__1SDV_20220201T163208_20220201T163235_041722_04F6E6_C995	2022-02-01	20220120_20220201	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20220213T163208_20220213T163235_041897_04FD01_C483	2022-02-13	S1A_IW_SLC__1SDV_20220225T163208_20220225T163235_042072_05030E_3F13	2022-02-25	20220213_20220225	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20220309T163208_20220309T163235_042247_050906_15B3	2022-03-09	S1A_IW_SLC__1SDV_20220321T163208_20220321T163235_042422_050EF2_F5E5	2022-03-21	20220309_20220321	0.730835	0.0115969
Sentinel-1	S1A_IW_SLC__1SDV_20220414T163208_20220414T163235_042772_051AC2_EF01	2022-04-14	S1A_IW_SLC__1SDV_20220426T163209_20220426T163236_042947_052081_408E	2022-04-26	20220414_20220426	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20220508T163210_20220508T163237_043122_052656_8B08	2022-05-08	S1A_IW_SLC__1SDV_20220520T163210_20220520T163237_043297_052BA3_98AD	2022-05-20	20220508_20220520	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20220613T163212_20220613T163239_043647_053602_065D	2022-06-13	S1A_IW_SLC__1SDV_20220625T163213_20220625T163240_043822_053B48_A932	2022-06-25	20220613_20220625	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20220707T163214_20220707T163241_043997_054075_A382	2022-07-07	S1A_IW_SLC__1SDV_20220719T163214_20220719T163241_044172_0545BB_55FE	2022-07-19	20220707_20220719	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20220812T163216_20220812T163243_044522_055029_E02A	2022-08-12	S1A_IW_SLC__1SDV_20220824T163216_20220824T163243_044697_055619_5311	2022-08-24	20220812_20220824	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20220917T163217_20220917T163244_045047_0561E0_C319	2022-09-17	S1A_IW_SLC__1SDV_20220929T163218_20220929T163245_045222_0567B7_9413	2022-09-29	20220917_20220929	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20221011T163218_20221011T163245_045397_056DA0_C82D	2022-10-11	S1A_IW_SLC__1SDV_20221023T163218_20221023T163245_045572_0572CB_B8C3	2022-10-23	20221011_20221023	1.4444	0.0229204
Sentinel-1	S1A_IW_SLC__1SDV_20221104T163217_20221104T163244_045747_0578B1_803E	2022-11-04	S1A_IW_SLC__1SDV_20221116T163217_20221116T163244_045922_057EA1_3CC6	2022-11-16	20221104_20221116	1.4647	0.0232423
Sentinel-1	S1A_IW_SLC__1SDV_20221210T163217_20221210T163244_046272_058A85_B3FC	2022-12-10	S1A_IW_SLC__1SDV_20221222T163216_20221222T163243_046447_05907C_C591	2022-12-22	20221210_20221222	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20230103T163215_20230103T163242_046622_059670_1F81	2023-01-03	S1A_IW_SLC__1SDV_20230115T163214_20230115T163241_046797_059C51_0D5D	2023-01-15	20230103_20230115	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20230208T163213_20230208T163240_047147_05A816_4978	2023-02-08	S1A_IW_SLC__1SDV_20230220T163213_20230220T163240_047322_05ADFF_9955	2023-02-20	20230208_20230220	2.47	0.0391932
Sentinel-1	S1A_IW_SLC__1SDV_20230316T163213_20230316T163240_047672_05B9D2_11AD	2023-03-16	S1A_IW_SLC__1SDV_20230328T163214_20230328T163241_047847_05BFBC_697D	2023-03-28	20230316_20230328	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20230409T163214_20230409T163241_048022_05C5A3_09C9	2023-04-09	S1A_IW_SLC__1SDV_20230421T163214_20230421T163241_048197_05CB7C_0413	2023-04-21	20230409_20230421	1.3605	0.0215883
Sentinel-1	S1A_IW_SLC__1SDV_20230515T163216_20230515T163243_048547_05D6DD_EEB3	2023-05-15	S1A_IW_SLC__1SDV_20230527T163216_20230527T163243_048722_05DC0E_AF06	2023-05-27	20230515_20230527	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20230608T163217_20230608T163244_048897_05E150_5680	2023-06-08	S1A_IW_SLC__1SDV_20230620T163217_20230620T163244_049072_05E6A9_8A9A	2023-06-20	20230608_20230620	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20230714T163219_20230714T163246_049422_05F165_B37E	2023-07-14	S1A_IW_SLC__1SDV_20230726T163220_20230726T163247_049597_05F6BF_22D9	2023-07-26	20230714_20230726	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20230807T163220_20230807T163247_049772_05FC27_7FA1	2023-08-07	S1A_IW_SLC__1SDV_20230819T163221_20230819T163248_049947_060223_3221	2023-08-19	20230807_20230819	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20230912T163222_20230912T163249_050297_060E1D_0F28	2023-09-12	S1A_IW_SLC__1SDV_20230924T163223_20230924T163250_050472_061410_D097	2023-09-24	20230912_20230924	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20231006T163223_20231006T163250_050647_061A0E_3473	2023-10-06	S1A_IW_SLC__1SDV_20231018T163223_20231018T163250_050822_062015_A233	2023-10-18	20231006_20231018	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20231111T163222_20231111T163249_051172_062C0B_7056	2023-11-11	S1A_IW_SLC__1SDV_20231123T163222_20231123T163249_051347_063219_F4BD	2023-11-23	20231111_20231123	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20231205T163222_20231205T163249_051522_063819_7668	2023-12-05	S1A_IW_SLC__1SDV_20231217T163221_20231217T163248_051697_063E38_4CFA	2023-12-17	20231205_20231217	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20240122T163219_20240122T163246_052222_065022_5A34	2024-01-22	S1A_IW_SLC__1SDV_20240203T163219_20240203T163246_052397_06560D_9CB2	2024-02-03	20240122_20240203	2.0768	0.0329548
Sentinel-1	S1A_IW_SLC__1SDV_20240215T163219_20240215T163246_052572_065BF6_EC69	2024-02-15	S1A_IW_SLC__1SDV_20240227T163218_20240227T163245_052747_0661EC_5313	2024-02-27	20240215_20240227	3.4874	0.0553375
Sentinel-1	S1A_IW_SLC__1SDV_20240310T163218_20240310T163245_052922_0667DD_1D84	2024-03-10	S1A_IW_SLC__1SDV_20240322T163219_20240322T163246_053097_066E61_3428	2024-03-22	20240310_20240322	3.7338	0.0592473
Sentinel-1	S1A_IW_SLC__1SDV_20240415T163219_20240415T163246_053447_067BEB_AA08	2024-04-15	S1A_IW_SLC__1SDV_20240427T163220_20240427T163247_053622_0682CB_FB25	2024-04-27	20240415_20240427	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20240521T163219_20240521T163246_053972_068F96_F154	2024-05-21	S1A_IW_SLC__1SDV_20240602T163220_20240602T163247_054147_0695A8_97AF	2024-06-02	20240521_20240602	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20240602T163220_20240602T163247_054147_0695A8_97AF	2024-06-02	S1A_IW_SLC__1SDV_20240614T163219_20240614T163246_054322_069BB3_6137	2024-06-14	20240602_20240614	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20240708T163218_20240708T163245_054672_06A7E2_1D5B	2024-07-08	S1A_IW_SLC__1SDV_20240720T163217_20240720T163244_054847_06ADEF_D2E5	2024-07-20	20240708_20240720	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20240801T163218_20240801T163245_055022_06B408_E967	2024-08-01	S1A_IW_SLC__1SDV_20240813T163217_20240813T163244_055197_06BA46_68F0	2024-08-13	20240801_20240813	0.703353	0.0111608
Sentinel-1	S1A_IW_SLC__1SDV_20240918T163219_20240918T163246_055722_06CE41_9C81	2024-09-18	S1A_IW_SLC__1SDV_20240930T163219_20240930T163246_055897_06D531_EA63	2024-09-30	20240918_20240930	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20240930T163219_20240930T163246_055897_06D531_EA63	2024-09-30	S1A_IW_SLC__1SDV_20241012T163219_20241012T163246_056072_06DC15_66BE	2024-10-12	20240930_20241012	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20241024T163218_20241024T163245_056247_06E304_3720	2024-10-24	S1A_IW_SLC__1SDV_20241105T163219_20241105T163246_056422_06E9F4_789F	2024-11-05	20241024_20241105	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20241211T163217_20241211T163244_056947_06FEC4_25BA	2024-12-11	S1A_IW_SLC__1SDV_20241223T163215_20241223T163242_057122_0705CF_BD4A	2024-12-23	20241211_20241223	1.6354	0.0259499
Sentinel-1	S1A_IW_SLC__1SDV_20250104T163214_20250104T163241_057297_070CAD_5585	2025-01-04	S1A_IW_SLC__1SDV_20250116T163213_20250116T163240_057472_071395_CA46	2025-01-16	20250104_20250116	1.202	0.0190732
Sentinel-1	S1A_IW_SLC__1SDV_20250209T163212_20250209T163239_057822_07217D_8FE4	2025-02-09	S1A_IW_SLC__1SDV_20250221T163212_20250221T163239_057997_072898_AAC2	2025-02-21	20250209_20250221	2.0856	0.0330948
Sentinel-1	S1A_IW_SLC__1SDV_20250305T163212_20250305T163239_058172_072FC7_38B5	2025-03-05	S1A_IW_SLC__1SDV_20250317T163212_20250317T163239_058347_0736B5_044A	2025-03-17	20250305_20250317	1.6682	0.0264707
Sentinel-1	S1A_IW_SLC__1SDV_20250422T163212_20250422T163239_058872_074C03_187B	2025-04-22	S1C_IW_SLC__1SDV_20250428T163049_20250428T163116_002096_004658_48A2	2025-04-28	20250422_20250428	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20250516T163212_20250516T163239_059222_07594D_2EDF	2025-05-16	S1C_IW_SLC__1SDV_20250522T163050_20250522T163117_002446_0051D7_2559	2025-05-22	20250516_20250522	0	0
Sentinel-1	S1C_IW_SLC__1SDV_20250615T163052_20250615T163119_002796_005BE4_DB9C	2025-06-15	S1A_IW_SLC__1SDV_20250621T163210_20250621T163237_059747_076B68_C0FF	2025-06-21	20250615_20250621	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20250703T163210_20250703T163237_059922_07717E_EBB7	2025-07-03	S1C_IW_SLC__1SDV_20250709T163054_20250709T163121_003146_0065FB_4C84	2025-07-09	20250703_20250709	0.556363	0.00882836
Sentinel-1	S1A_IW_SLC__1SDV_20250820T163209_20250820T163236_060622_078A9A_E5B4	2025-08-20	S1C_IW_SLC__1SDV_20250826T163056_20250826T163123_003846_007AB3_EB34	2025-08-26	20250820_20250826	0.51383	0.00815344
Sentinel-1	S1C_IW_SLC__1SDV_20250919T163057_20250919T163124_004196_00853F_23FF	2025-09-19	S1A_IW_SLC__1SDV_20250925T163209_20250925T163236_061147_079F88_7C15	2025-09-25	20250919_20250925	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20251019T163210_20251019T163237_061497_07AD9C_45EF	2025-10-19	S1C_IW_SLC__1SDV_20251025T163057_20251025T163124_004721_009535_A1C4	2025-10-25	20251019_20251025	0	0
Sentinel-1	S1C_IW_SLC__1SDV_20251118T163057_20251118T163124_005071_00A0BC_4CC1	2025-11-18	S1A_IW_SLC__1SDV_20251124T163208_20251124T163235_062022_07C23A_0E35	2025-11-24	20251118_20251124	0	0
Sent							

Table S2a. Interferograms with mapped hydrological barriers - Keoladeo National Park

Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
NISAR	NISAR_L2_PR_GSLC_005_156_A_015_4005_DHDH_A_20251121T001203_20251121T001238_X050 09_N_F_J_001	2025-11-21	NISAR_L2_PR_GSLC_008_156_A_015_4005_DHDH_A_20251227T001205_20251227T001239_X050 09_N_F_J_001	2025-12-27	20251121_20251227	2.3017	0.080116
NISAR	NISAR_L2_PR_GSLC_008_156_A_015_4005_DHDH_A_20251227T001205_20251227T001239_X050 09_N_F_J_001	2025-12-27	NISAR_L2_PR_GSLC_009_156_A_015_4005_DHDH_A_20260108T001205_20260108T001240_X050 09_N_F_J_001	2026-01-08	20251227_20260108	0.414275	0.0144196

Table S2a. Interferograms with mapped hydrological barriers - Loktak Lake

Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
ALOS-1	ALPSRP053040470	2007-01-22	ALPSRP073170470	2007-06-09	20070122_20070609	0	0
ALOS-1	ALPSRP073170470	2007-06-09	ALPSRP079880470	2007-07-25	20070609_20070725	0.757245	0.00284679
ALOS-1	ALPSRP079880470	2007-07-25	ALPSRP086590470	09/09/2007	20070725_20070909	2.2414	0.00842648
ALOS-1	ALPSRP086590470	09/09/2007	ALPSRP093300470	2007-10-25	20070909_20071025	1.5895	0.00597544
ALOS-1	ALPSRP093300470	2007-10-25	ALPSRP100010470	2007-12-10	20071025_20071210	1.0462	0.00393298
ALOS-1	ALPSRP100010470	2007-12-10	ALPSRP106720470	2008-01-25	20071210_20080125	0.420107	0.00157935
ALOS-1	ALPSRP106720470	2008-01-25	ALPSRP113430470	2008-03-11	20080125_20080311	0.383981	0.00144354

Table S2a. Interferograms with mapped hydrological barriers - Anzali Wetland

Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
ALOS-1	ALPSRP076250740	2007-06-30	ALPSRP089670740	2007-09-30	20070630_20070930	4.7756	0.0244902
ALOS-1	ALPSRP089670740	2007-09-30	ALPSRP123220740	2008-05-17	20070930_20080517	0	0
ALOS-1	ALPSRP123220740	2008-05-17	ALPSRP129930740	2008-07-02	20080517_20080702	0	0
ALOS-1	ALPSRP129930740	2008-07-02	ALPSRP136640740	2008-08-17	20080702_20080817	3.8768	0.0198808
ALOS-1	ALPSRP136640740	2008-08-17	ALPSRP143350740	2008-10-02	20080817_20081002	2.0312	0.0104162
ALOS-1	ALPSRP143350740	2008-10-02	ALPSRP156770740	2009-01-02	20081002_20090102	1.3193	0.00676545
ALOS-1	ALPSRP156770740	2009-01-02	ALPSRP190320740	2009-08-20	20090102_20090820	0	0
ALOS-1	ALPSRP190320740	2009-08-20	ALPSRP210450740	2010-01-05	20090820_20100105	1.5213	0.00780176
ALOS-1	ALPSRP210450740	2010-01-05	ALPSRP217160740	2010-02-20	20100105_20100220	7.9939	0.0409944
ALOS-1	ALPSRP217160740	2010-02-20	ALPSRP223870740	2010-04-07	20100220_20100407	4.2219	0.0216507
ALOS-1	ALPSRP223870740	2010-04-07	ALPSRP230580740	2010-05-23	20100407_20100523	3.457	0.0177282
ALOS-1	ALPSRP230580740	2010-05-23	ALPSRP237290740	2010-07-08	20100523_20100708	0.75709	0.00388251
ALOS-1	ALPSRP237290740	2010-07-08	ALPSRP264130740	2011-01-08	20100708_20110108	0	0
NISAR	NISAR_L2_PR_GSLC_003_157_A_020_2005_DHDH_A_20251028T015444_20251028T015518_X05009_N_F_J_001	2025-10-28	NISAR_L2_PR_GSLC_004_157_A_020_2005_DHDH_A_20251109T015444_20251109T015519_X05009_N_F_J_001	2025-11-09	20251028_20251109	3.2272	0.0165496
NISAR	NISAR_L2_PR_GSLC_004_157_A_020_2005_DHDH_A_20251109T015444_20251109T015519_X05009_N_F_J_001	2025-11-09	NISAR_L2_PR_GSLC_005_157_A_020_2005_DHDH_A_20251121T015445_20251121T015519_X05009_N_F_J_001	2025-11-21	20251109_20251121	2.8163	0.0144426
NISAR	NISAR_L2_PR_GSLC_005_157_A_020_2005_DHDH_A_20251121T015445_20251121T015519_X05009_N_F_J_001	2025-11-21	NISAR_L2_PR_GSLC_006_157_A_020_2005_DHDH_A_20251203T015445_20251203T015520_X05009_N_F_J_001	2025-12-03	20251121_20251203	0	0
NISAR	NISAR_L2_PR_GSLC_006_157_A_020_2005_DHDH_A_20251203T015445_20251203T015520_X05009_N_F_J_001	2025-12-03	NISAR_L2_PR_GSLC_007_157_A_020_2005_DHDH_A_20251215T015446_20251215T015520_X05009_N_F_J_001	2025-12-15	20251203_20251215	3.2202	0.016514
NISAR	NISAR_L2_PR_GSLC_007_157_A_020_2005_DHDH_A_20251215T015446_20251215T015520_X05009_N_F_J_001	2025-12-15	NISAR_L2_PR_GSLC_008_157_A_020_2005_DHDH_A_20251227T015446_20251227T015521_X05009_N_F_J_001	2025-12-27	20251215_20251227	5.0081	0.0256827

Table S2a. Interferograms with mapped hydrological barriers - Shadegan Marshes							
Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
Sentinel-1	S1A_IW_SLC__1SSV_20150121T145025_20150121T145053_004271_00531A_E3C4	2015-01-21	S1A_IW_SLC__1SSV_20150214T145024_20150214T145052_004621_005B19_43A2	2015-02-14	20150121_20150214	13.3455	0.00333638
Sentinel-1	S1A_IW_SLC__1SSV_20150214T145024_20150214T145052_004621_005B19_43A2	2015-02-14	S1A_IW_SLC__1SSV_20150310T145024_20150310T145052_004971_006388_4950	2015-03-10	20150214_20150310	21.6919	0.00542297
Sentinel-1	S1A_IW_SLC__1SSV_20150310T145024_20150310T145052_004971_006388_4950	2015-03-10	S1A_IW_SLC__1SSV_20150403T145025_20150403T145052_005321_006BC6_FBBE	2015-04-03	20150310_20150403	16.1505	0.00403762
Sentinel-1	S1A_IW_SLC__1SSV_20150403T145025_20150403T145052_005321_006BC6_FBBE	2015-04-03	S1A_IW_SLC__1SSV_20150427T145026_20150427T145053_005671_00745F_3003	2015-04-27	20150403_20150427	13.8635	0.00346587
Sentinel-1	S1A_IW_SLC__1SSV_20150427T145026_20150427T145053_005671_00745F_3003	2015-04-27	S1A_IW_SLC__1SSV_20150521T145027_20150521T145054_006021_007C42_1C17	2015-05-21	20150427_20150521	5.9089	0.00147723
Sentinel-1	S1A_IW_SLC__1SSV_20150614T145029_20150614T145056_006371_00864E_B7DE	2015-06-14	S1A_IW_SLC__1SSV_20150708T145029_20150708T145056_006721_008FF3_B95A	2015-07-08	20150614_20150708	2.7869	0.000696723
Sentinel-1	S1A_IW_SLC__1SSV_20150708T145029_20150708T145056_006721_008FF3_B95A	2015-07-08	S1A_IW_SLC__1SSV_20150801T145031_20150801T145058_007071_0099F1_0C68	2015-08-01	20150708_20150801	3.0821	0.000770522
Sentinel-1	S1A_IW_SLC__1SSV_20150801T145031_20150801T145058_007071_0099F1_0C68	2015-08-01	S1A_IW_SLC__1SSV_20150825T145032_20150825T145059_007421_00A36F_91F0	2015-08-25	20150801_20150825	0.715692	0.000178923
Sentinel-1	S1A_IW_SLC__1SSV_20150825T145032_20150825T145059_007421_00A36F_91F0	2015-08-25	S1A_IW_SLC__1SSV_20150918T145033_20150918T145100_007771_00ACDF_1AAC	2015-09-18	20150825_20150918	6.5384	0.0016346
Sentinel-1	S1A_IW_SLC__1SSV_20151129T145027_20151129T145055_008821_00C962_D2FB	2015-11-29	S1A_IW_SLC__1SSV_20151223T145026_20151223T145054_009171_00D337_4F02	2015-12-23	20151129_20151223	12.8366	0.00320915
Sentinel-1	S1A_IW_SLC__1SSV_20160304T145025_20160304T145053_010221_00F17C_AED7	2016-03-04	S1A_IW_SLC__1SSV_20160328T145025_20160328T145053_010571_00FB78_E16B	2016-03-28	20160304_20160328	20.683	0.00517075
Sentinel-1	S1A_IW_SLC__1SSV_20160328T145025_20160328T145053_010571_00FB78_E16B	2016-03-28	S1A_IW_SLC__1SSV_20160421T145026_20160421T145054_010921_0105F3_A5AF	2016-04-21	20160328_20160421	26.053	0.00651325
Sentinel-1	S1A_IW_SLC__1SSV_20160421T145026_20160421T145054_010921_0105F3_A5AF	2016-04-21	S1A_IW_SLC__1SSV_20160515T145030_20160515T145058_011271_01110D_AC93	2016-05-15	20160421_20160515	30.9288	0.00773219
Sentinel-1	S1A_IW_SLC__1SSV_20160515T145030_20160515T145058_011271_01110D_AC93	2016-05-15	S1A_IW_SLC__1SDV_20160608T145022_20160608T145049_011621_011C47_790F	2016-06-08	20160515_20160608	16.4271	0.00410677
Sentinel-1	S1A_IW_SLC__1SDV_20161111T145027_20161111T145054_013896_0165D0_9400	2016-11-11	S1A_IW_SLC__1SDV_2016123T145028_2016123T145056_014071_016B15_9179	2016-11-23	20161111_20161123	5.0059	0.00125147
Sentinel-1	S1A_IW_SLC__1SDV_20161205T145027_20161205T145055_014246_017097_F50C	2016-12-05	S1A_IW_SLC__1SDV_20161217T145027_20161217T145055_014421_017617_AFDf	2016-12-17	20161205_20161217	7.8698	0.00196745
Sentinel-1	S1A_IW_SLC__1SDV_20170110T145025_20170110T145053_014771_0180CE_C63C	2017-01-10	S1A_IW_SLC__1SDV_20170122T145025_20170122T145053_014946_01864E_9A73	2017-01-22	20170110_20170122	14.0512	0.00351279
Sentinel-1	S1A_IW_SLC__1SDV_20170203T145024_20170203T145052_015121_018B94_F252	2017-02-03	S1A_IW_SLC__1SDV_20170215T145024_20170215T145052_015296_019120_8ABD	2017-02-15	20170203_20170215	15.334	0.00383349
Sentinel-1	S1A_IW_SLC__1SDV_20170311T145024_20170311T145052_015646_019BC4_3B3D	2017-03-11	S1A_IW_SLC__1SDV_20170323T145024_20170323T145052_015821_01A0F6_16F9	2017-03-23	20170311_20170323	17.1164	0.00427909
Sentinel-1	S1A_IW_SLC__1SDV_20170404T145025_20170404T145053_015996_01A627_0DE0	2017-04-04	S1A_IW_SLC__1SDV_20170416T145025_20170416T145053_016171_01AB84_76F1	2017-04-16	20170404_20170416	28.3611	0.00709027
Sentinel-1	S1A_IW_SLC__1SDV_20170510T145027_20170510T145055_016521_01B61E_18CA	2017-05-10	S1A_IW_SLC__1SDV_20170522T145027_20170522T145055_016696_01BB85_6509	2017-05-22	20170510_20170522	18.2981	0.00457452
Sentinel-1	S1A_IW_SLC__1SDV_20180101T024648_20180101T024715_019955_021FB1_E14C	2018-01-01	S1A_IW_SLC__1SDV_20180113T024647_20180113T024714_020130_022539_D965	2018-01-13	20180101_20180113	12.5401	0.00313504
Sentinel-1	S1A_IW_SLC__1SDV_20180206T024647_20180206T024714_020480_02305F_3C6B	2018-02-06	S1A_IW_SLC__1SDV_20180218T024647_20180218T024714_020655_0235F4_6FD8	2018-02-18	20180206_20180218	19.1594	0.00478984
Sentinel-1	S1A_IW_SLC__1SDV_20180302T024647_20180302T024714_020830_023B83_8DC1	2018-03-02	S1A_IW_SLC__1SDV_20180314T024647_20180314T024714_021005_02410D_61F7	2018-03-14	20180302_20180314	21.5311	0.00538278
Sentinel-1	S1A_IW_SLC__1SDV_20180407T024647_20180407T024714_021355_024C17_AEEA	2018-04-07	S1A_IW_SLC__1SDV_20180419T024647_20180419T024714_021530_025192_77CB	2018-04-19	20180407_20180419	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20180501T024648_20180501T024715_021705_02570F_8D0C	2018-05-01	S1A_IW_SLC__1SDV_20180513T024649_20180513T024716_021880_025CA7_590C	2018-05-13	20180501_20180513	9.0878	0.00227194
Sentinel-1	S1A_IW_SLC__1SDV_20180606T024650_20180606T024717_022230_0267B7_0945	2018-06-06	S1A_IW_SLC__1SDV_20180618T024651_20180618T024718_022405_026D19_F470	2018-06-18	20180606_20180618	9.9639	0.00249096
Sentinel-1	S1A_IW_SLC__1SDV_20180712T024652_20180712T024719_022755_027765_2915	2018-07-12	S1A_IW_SLC__1SDV_20180724T024653_20180724T024720_022930_027CE4_1035	2018-07-24	20180712_20180724	1.0796	0.000269893
Sentinel-1	S1A_IW_SLC__1SDV_20180805T024654_20180805T024721_023105_028259_7470	2018-08-05	S1A_IW_SLC__1SDV_20180817T024654_20180817T024721_023280_028805_39E8	2018-08-17	20180805_20180817	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20180910T024656_20180910T024723_023630_029330_D455	2018-09-10	S1A_IW_SLC__1SDV_20180922T024656_20180922T024723_023805_0298DE_C1A8	2018-09-22	20180910_20180922	3.9121	0.000978031
Sentinel-1	S1A_IW_SLC__1SDV_20181016T024657_20181016T024723_024155_02A44A_8045	2018-10-16	S1A_IW_SLC__1SDV_20181028T024656_20181028T024723_024330_02A9EC_32EE	2018-10-28	20181016_20181028ph_	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20181109T024656_20181109T024723_024505_02B012_C72F	2018-11-09	S1A_IW_SLC__1SDV_2018121T024656_2018121T024723_024680_02B682_2DF2	2018-11-21	20181109_20181121	4.0704	0.00101759
Sentinel-1	S1A_IW_SLC__1SDV_20181203T024656_20181203T024723_024855_02BCA6_220F	2018-12-03	S1A_IW_SLC__1SDV_20181215T024655_20181215T024722_025030_02C2C6_F952	2018-12-15	20181203_20181215	52.3739	0.0130935
Sentinel-1	S1A_IW_SLC__1SDV_20190108T024654_20190108T024721_025380_02CF6F_C91C	2019-01-08	S1A_IW_SLC__1SDV_20190120T024654_20190120T024721_025555_02D5C5_49DD	2019-01-20	20190108_20190120	64.546	0.0161365
Sentinel-1	S1A_IW_SLC__1SDV_20190225T024653_20190225T024720_026080_02E8A0_D319	2019-02-25	S1A_IW_SLC__1SDV_20190309T024653_20190309T024720_026255_02EEED_707E	2019-03-09	20190225_20190309	63.2514	0.0158129
Sentinel-1	S1B_IW_SLC__1SDV_20190408T024611_20190408T024629_015709_01D7A5_1768	2019-04-08	S1A_IW_SLC__1SDV_20190414T024654_20190414T024721_026780_03023B_E66E	2019-04-14	20190408_20190414	46.0501	0.0115125
Sentinel-1	S1B_IW_SLC__1SDV_20190502T024547_20190502T024611_016059_01E346_46CB	2019-05-02	S1B_IW_SLC__1SDV_20190514T024547_20190514T024611_016234_01E8DE_E909	2019-05-14	20190502_20190514	49.8751	0.0124688
Sentinel-1	S1A_IW_SLC__1SDV_20190625T024657_20190625T024724_027830_03244C_3E12	2019-06-25	S1A_IW_SLC__1SDV_20190707T024658_20190707T024725_028005_03299D_254F	2019-07-07	20190625_20190707	50.7965	0.0126991
Sentinel-1	S1A_IW_SLC__1SDV_20190719T024659_20190719T024726_028180_032EE3_AEC3	2019-07-19	S1A_IW_SLC__1SDV_20190731T024659_20190731T024726_028355_03343C_6CD3	2019-07-31	20190719_20190731	30.6958	0.00767395
Sentinel-1	S1A_IW_SLC__1SDV_20190812T024700_20190812T024727_028530_0339CF_3A3A	2019-08-12	S1A_IW_SLC__1SDV_20190824T024701_20190824T024728_028705_033FDA_139C	2019-08-24	20190812_20190824	25.6954	0.00642386
Sentinel-1	S1A_IW_SLC__1SDV_20190905T024702_20190905T024729_028880_0345F8_ED2A	2019-09-05	S1A_IW_SLC__1SDV_20190917T024702_20190917T024729_029055_034COF_82AB	2019-09-17	20190905_20190917	19.0423	0.00476056
Sentinel-1	S1A_IW_SLC__1SDV_20191210T024702_20191210T024729_030280_037667_4E5D	2019-12-10	S1A_IW_SLC__1SDV_20191222T024701_20191222T024728_030455_037C75_A541	2019-12-22	20191210_20191222	56.3329	0.0140832
Sentinel-1	S1A_IW_SLC__1SDV_20200315T024635_20200315T024702_031680_03A6FF_B275	2020-03-15	S1A_IW_SLC__1SDV_20200327T024635_20200327T024702_031855_03AD29_3F41	2020-03-27	20200315_20200327	47.0074	0.0117519
Sentinel-1	S1A_IW_SLC__1SDV_20200408T024635_20200408T024702_032030_03B356_254B	2020-04-08	S1A_IW_SLC__1SDV_20200420T024635_20200420T024702_032205_03B980_54D1	2020-04-20	20200408_20200420	36.5599	0.00913998
Sentinel-1	S1A_IW_SLC__1SDV_20200526T024637_20200526T024704_032730_03CA91_CB50	2020-05-26	S1A_IW_SLC__1SDV_20200607T024638_20200607T024705_032905_03CFC0_9413	2020-06-07	20200526_20200607	26.3612	0.0065903
Sentinel-1	S1A_IW_SLC__1SDV_20200607T024703_20200607T024730_032905_03CFC0_CBAB	2020-06-07	S1A_IW_SLC__1SDV_20200619T024704_20200619T024731_033080_03D508_64DF	2020-06-19	20200607_20200619	11.787	0.00294676
Sentinel-1	S1A_IW_SLC__1SDV_20200701T024704_20200701T024731_033255_03DA57_1C49	2020-07-01	S1A_IW_SLC__1SDV_20200713T024705_20200713T024732_033430_03DFAA_F7FE	2020-07-13	20200701_20200713	5.4273	0.00135681
Sentinel-1	S1A_IW_SLC__1SDV_20200806T024706_20200806T024733_033780_03EA73_7A1D	2020-08-06	S1A_IW_SLC__1SDV_20200818T024707_20200818T024734_033955_03F090_ECFf	2020-08-18	20200806_20200818	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20200911T024708_20200911T024735_034305_03FCDA_55E6	2020-09-11	S1A_IW_SLC__1SDV_20200923T024709_20200923T024736_034480_040316_6872	2020-09-23	20200911_20200923	9.0851	0.00227128
Sentinel-1	S1A_IW_SLC__1SDV_20201005T024709_20201005T024736_034655_04093A_7C29	2020-10-05	S1A_IW_SLC__1SDV_20201017T024709_20201017T024736_034830_040F57_2EA1	2020-10-17	20201005_20201017	7.3327	0.00183318
Sentinel-1	S1A_IW_SLC__1SDV_20201110T024709_20201110T024736_035180_041B68_A47F	2020-11-10	S1A_IW_SLC__1SDV_20201122T024709_20201122T024736_035355_042178_AA99	2020-11-22	20201110_20201122	51.1478	0.0127869
Sentinel-1	S1A_IW_SLC__1SDV_20201204T024708_20201204T024735_035530_042777_3453	2020-12-04	S1A_IW_SLC__1SDV_20201216T024708_20201216T024735_035705_042D8E_E4BA	2020-12-16	20201204_20201216	46.0723	0.0115181
Sentinel-1	S1A_IW_SLC__1SDV_20210109T024642_20210109T024709_036055_0439B7_49F2	2021-01-09	S1A_IW_SLC__1SDV_20210121T024641_20210121T024708_036230_043FD6_548B	2021-01-21	20210109_20210121	48.7656	0.0121914
Sentinel-1	S1A_IW_SLC__1SDV_20210214T024641_20210214T024707_036580_044C01_804E	2021-02-14	S1A_IW_SLC__1SDV_20210226T024640_20210226T024707_036755_045215_1C80	2021-02-26	20210214_20210226	48.4727	0.0121182
Sentinel-1	S1A_IW_SLC__1SDV_20210310T024640_20210310T024707_036930_045831_02AC	2021-03-10	S1A_IW_SLC__1SDV_20210322T024640_20210322T024707_037105_045E47_9EC1	2021-03-22	20210310_20210322	30.6901	0.00767252
Sentinel-1	S1A_IW_SLC__1SDV_20210415T024641_20210415T024708_037455_046A5D_5134	2021-04-15	S1A_IW_SLC__1SDV_20210427T024642_20210427T024709_037630_04706F_3A3F	2021-04-27	20210415_20210427	27.869</	

Table S2a. Interferograms with mapped hydrological barriers - Shadegan Marshes							
Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
Sentinel-1	S1A_IW_SLC__1SDV_20220808T024719_20220808T024746_044455_054E0A_5707	2022-08-08	S1A_IW_SLC__1SDV_20220820T024719_20220820T024746_044630_0553DD_3E28	2022-08-20	20220808_20220820	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20220925T024720_20220925T024747_045155_05658C_3EE8	2022-09-25	S1A_IW_SLC__1SDV_20221007T024721_20221007T024748_045330_056B65_07E9	2022-10-07	20220925_20221007	6.4214	0.00160534
Sentinel-1	S1A_IW_SLC__1SDV_20221031T024721_20221031T024748_045680_057682_2630	2022-10-31	S1A_IW_SLC__1SDV_20221112T024720_20221112T024747_045855_057C68_9A80	2022-11-12	20221031_20221112	9.3455	0.00233639
Sentinel-1	S1A_IW_SLC__1SDV_20221218T024719_20221218T024746_046380_058E47_3446	2022-12-18	S1A_IW_SLC__1SDV_20221230T024718_20221230T024745_046555_05942C_E09D	2022-12-30	20221218_20221230	27.2131	0.00680329
Sentinel-1	S1A_IW_SLC__1SDV_20230123T024718_20230123T024745_046905_059FFE_5714	2023-01-23	S1A_IW_SLC__1SDV_20230204T024717_20230204T024744_047080_05A5D3_7DAE	2023-02-04	20230123_20230204	59.7258	0.0149314
Sentinel-1	S1A_IW_SLC__1SDV_20230216T024716_20230216T024743_047255_05ABB9_D97C	2023-02-16	S1A_IW_SLC__1SDV_20230228T024717_20230228T024744_047430_05B1AB_148B	2023-02-28	20230216_20230228	60.423	0.0151058
Sentinel-1	S1A_IW_SLC__1SDV_20230312T024717_20230312T024744_047605_05B794_A2C7	2023-03-12	S1A_IW_SLC__1SDV_20230324T024717_20230324T024744_047780_05BD7A_BDAA	2023-03-24	20230312_20230324	58.5364	0.0146341
Sentinel-1	S1A_IW_SLC__1SDV_20230417T024717_20230417T024744_048130_05C952_A762	2023-04-17	S1A_IW_SLC__1SDV_20230429T024718_20230429T024745_048305_05CF2C_3488	2023-04-29	20230417_20230429	54.1963	0.0135491
Sentinel-1	S1A_IW_SLC__1SDV_20230523T024719_20230523T024746_048655_05DA15_2B07	2023-05-23	S1A_IW_SLC__1SDV_20230604T024720_20230604T024747_048830_05DF49_0386	2023-06-04	20230523_20230604	44.8909	0.0112227
Sentinel-1	S1A_IW_SLC__1SDV_20230604T024720_20230604T024747_048830_05DF49_0386	2023-06-04	S1A_IW_SLC__1SDV_20230616T024720_20230616T024747_049005_05E49C_0AF1	2023-06-16	20230604_20230616	43.0969	0.0107742
Sentinel-1	S1A_IW_SLC__1SDV_20230710T024722_20230710T024749_049355_05EF58_418D	2023-07-10	S1A_IW_SLC__1SDV_20230722T024723_20230722T024750_049530_05F4AC_BC40	2023-07-22	20230710_20230722	13.0704	0.00326761
Sentinel-1	S1A_IW_SLC__1SDV_20230815T024724_20230815T024751_049880_05FFDB_851F	2023-08-15	S1A_IW_SLC__1SDV_20230827T024725_20230827T024752_050055_0605DA_99DE	2023-08-27	20230815_20230827	0.943261	0.000235815
Sentinel-1	S1A_IW_SLC__1SDV_20230908T024725_20230908T024752_050230_060BCE_3529	2023-09-08	S1A_IW_SLC__1SDV_20230920T024726_20230920T024753_050405_0611C9_720F	2023-09-20	20230908_20230920	2.5814	0.000645354
Sentinel-1	S1A_IW_SLC__1SDV_20231014T024726_20231014T024753_050755_061DC6_734B	2023-10-14	S1A_IW_SLC__1SDV_20231026T024726_20231026T024753_050930_0623BD_1BDA	2023-10-26	20231014_20231026	16.1893	0.00404733
Sentinel-1	S1A_IW_SLC__1SDV_20231107T024725_20231107T024752_051105_0629BC_99E5	2023-11-07	S1A_IW_SLC__1SDV_20231119T024725_20231119T024752_051280_062FCB_FE82	2023-11-19	20231107_20231119	13.7669	0.00344173
Sentinel-1	S1A_IW_SLC__1SDV_20231201T024725_20231201T024752_051455_0635C5_FBBB	2023-12-01	S1A_IW_SLC__1SDV_20231213T024724_20231213T024751_051630_063BF2_EF78	2023-12-13	20231201_20231213	36.2675	0.00906688
Sentinel-1	S1A_IW_SLC__1SDV_20240106T024658_20240106T024725_051980_0647F6_6C06	2024-01-06	S1A_IW_SLC__1SDV_20240118T024657_20240118T024724_052155_064DE5_53B9	2024-01-18	20240106_20240118	30.8293	0.00770731
Sentinel-1	S1A_IW_SLC__1SDV_20240211T024657_20240211T024724_052505_0659B1_B70F	2024-02-11	S1A_IW_SLC__1SDV_20240223T024657_20240223T024724_052680_065FA9_FE6C	2024-02-23	20240211_20240223	18.7201	0.00468003
Sentinel-1	S1A_IW_SLC__1SDV_20240306T024657_20240306T024724_052855_06659D_D4B2	2024-03-06	S1A_IW_SLC__1SDV_20240318T024657_20240318T024724_053030_066BCA_C91B	2024-03-18	20240306_20240318	27.2976	0.00682439
Sentinel-1	S1A_IW_SLC__1SDV_20240505T024658_20240505T024725_053730_06871C_118B	2024-05-05	S1A_IW_SLC__1SDV_20240517T024658_20240517T024725_053905_068D4B_9AEE	2024-05-17	20240505_20240517	34.166	0.00854151
Sentinel-1	S1A_IW_SLC__1SDV_20240610T024657_20240610T024724_054255_06996D_8901	2024-06-10	S1A_IW_SLC__1SDV_20240622T024657_20240622T024724_054430_069F79_F178	2024-06-22	20240610_20240622	25.4766	0.00636914
Sentinel-1	S1A_IW_SLC__1SDV_20240704T024656_20240704T024723_054605_06A593_3ECA	2024-07-04	S1A_IW_SLC__1SDV_20240716T024656_20240716T024723_054780_06ABA0_E134	2024-07-16	20240704_20240716	8.4233	0.00210584
Sentinel-1	S1A_IW_SLC__1SDV_20240809T024656_20240809T024723_055130_06B7DD_421E	2024-08-09	S1A_IW_SLC__1SDV_20240821T024656_20240821T024723_055305_06BE3D_3131	2024-08-21	20240809_20240821	1.6038	0.000400942
Sentinel-1	S1A_IW_SLC__1SDV_20240902T024656_20240902T024723_055480_06C4BA_F256	2024-09-02	S1A_IW_SLC__1SDV_20240914T024657_20240914T024724_055655_06CBA4_72AF	2024-09-14	20240902_20240914	1.9537	0.000488426
Sentinel-1	S1A_IW_SLC__1SDV_20241020T024657_20241020T024724_056180_06E063_359F	2024-10-20	S1A_IW_SLC__1SDV_20241101T024657_20241101T024724_056355_06E758_5F10	2024-11-01	20241020_20241101	11.5312	0.00288279
Sentinel-1	S1A_IW_SLC__1SDV_20241113T024657_20241113T024724_056530_06EE4B_C6E1	2024-11-13	S1A_IW_SLC__1SDV_20241125T024656_20241125T024723_056705_06F54C_90B3	2024-11-25	20241113_20241125	15.4425	0.00386063
Sentinel-1	S1A_IW_SLC__1SDV_20241207T024655_20241207T024722_056880_06FC2C_DBF1	2024-12-07	S1A_IW_SLC__1SDV_20241219T024654_20241219T024721_057055_07032C_7105	2024-12-19	20241207_20241219	15.9998	0.00399994
Sentinel-1	S1A_IW_SLC__1SDV_20250112T024717_20250112T024744_057405_0710FD_C602	2025-01-12	S1A_IW_SLC__1SDV_20250124T024716_20250124T024743_057580_0717F2_72AD	2025-01-24	20250112_20250124	14.4201	0.00360503
Sentinel-1	S1A_IW_SLC__1SDV_20250301T024715_20250301T024742_058105_072D04_B748	2025-03-01	S1A_IW_SLC__1SDV_20250313T024715_20250313T024742_058280_07341C_DC50	2025-03-13	20250301_20250313	29.0362	0.00725905
Sentinel-1	S1A_IW_SLC__1SDV_20250406T024715_20250406T024742_058630_074221_D4FD	2025-04-06	S1A_IW_SLC__1SDV_20250418T024715_20250418T024742_058805_074948_F261	2025-04-18	20250406_20250418	15.4117	0.00385294
Sentinel-1	S1A_IW_SLC__1SDV_20250512T024715_20250512T024742_059155_0756FF_CEFE	2025-05-12	S1A_IW_SLC__1SDV_20250524T024715_20250524T024742_059330_075D10_CC05	2025-05-24	20250512_20250524	12.5288	0.0031322
Sentinel-1	S1A_IW_SLC__1SDV_20250605T024714_20250605T024741_059505_076320_0F98	2025-06-05	S1A_IW_SLC__1SDV_20250617T024714_20250617T024741_059680_076919_C06E	2025-06-17	20250605_20250617	4.9894	0.00124734
Sentinel-1	S1A_IW_SLC__1SDV_20250723T024712_20250723T024739_060205_077B3A_B694	2025-07-23	S1C_IW_SLC__1SDV_20250729T024608_20250729T024639_003429_006E4A_74C4	2025-07-29	20250723_20250729	0	0
Sentinel-1	S1C_IW_SLC__1SDV_20250810T024609_20250810T024639_003604_007378_4347	2025-08-10	S1A_IW_SLC__1SDV_20250816T024712_20250816T024739_060555_0787FF_1C4C	2025-08-16	20250810_20250816	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20250816T024712_20250816T024739_060555_0787FF_1C4C	2025-08-16	S1C_IW_SLC__1SDV_20250822T024609_20250822T024640_003779_0078B8_41D4	2025-08-22	20250816_20250822	0	0
Sentinel-1	S1C_IW_SLC__1SDV_20250915T024610_20250915T024641_004129_00834C_FE4D	2025-09-15	S1A_IW_SLC__1SDV_20250921T024712_20250921T024739_061080_079CDA_E506	2025-09-21	20250915_20250921	0	0
Sentinel-1	S1C_IW_SLC__1SDV_20251021T024610_20251021T024641_004654_00933A_57DD	2025-10-21	S1A_IW_SLC__1SDV_20251027T024712_20251027T024739_061605_07B1FF_75BB	2025-10-27	20251021_20251027	0.921219	0.000230305
Sentinel-1	S1C_IW_SLC__1SDV_20251102T024610_20251102T024641_004829_0098B1_516B	2025-11-02	S1A_IW_SLC__1SDV_20251108T024712_20251108T024739_061780_07B8D9_8FD0	2025-11-08	20251102_20251108	2.5283	0.00063207
Sentinel-1	S1C_IW_SLC__1SDV_20251220T024608_20251220T024639_005529_00B04F_1FD6	2025-12-20	S1A_IW_SLC__1SDV_20251226T024708_20251226T024735_062480_07D41E_4AF3	2025-12-26	20251220_20251226	7.9022	0.00197555

Table S2a. Interferograms with mapped hydrological barriers - Hawizeh Marsh							
Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
Sentinel-1	S1A_IW_SLC__1SSV_20150129T024557_20150129T024625_004380_00558C_8D9F	2015-01-29	S1A_IW_SLC__1SSV_20150222T024557_20150222T024625_004730_005DA7_3A39	2015-02-22	20150129_20150222	19.5611	0.0142056
Sentinel-1	S1A_IW_SLC__1SSV_20150222T024557_20150222T024625_004730_005DA7_3A39	2015-02-22	S1A_IW_SLC__1SSV_20150318T024557_20150318T024624_005080_00662A_291D	2015-03-18	20150222_20150318	19.7694	0.0143569
Sentinel-1	S1A_IW_SLC__1SSV_20150318T024557_20150318T024624_005080_00662A_291D	2015-03-18	S1A_IW_SLC__1SDV_20150411T024558_20150411T024625_005430_006EA8_309B	2015-04-11	20150318_20150411	25.1084	0.0182341
Sentinel-1	S1A_IW_SLC__1SDV_20150411T024558_20150411T024625_005430_006EA8_309B	2015-04-11	S1A_IW_SLC__1SSV_20150505T024559_20150505T024626_005780_0076D6_C693	2015-05-05	20150411_20150505	12.8717	0.00934767
Sentinel-1	S1A_IW_SLC__1SSV_20150505T024559_20150505T024626_005780_0076D6_C693	2015-05-05	S1A_IW_SLC__1SSV_20150529T024601_20150529T024628_006130_007FAA_15D7	2015-05-29	20150505_20150529	7.9041	0.00574009
Sentinel-1	S1A_IW_SLC__1SSV_20150529T024601_20150529T024628_006130_007FAA_15D7	2015-05-29	S1A_IW_SLC__1SSV_20150622T024602_20150622T024629_006480_008972_2F62	2015-06-22	20150529_20150622	23.6232	0.0171556
Sentinel-1	S1A_IW_SLC__1SSV_20150622T024602_20150622T024629_006480_008972_2F62	2015-06-22	S1A_IW_SLC__1SSV_20150716T024602_20150716T024629_006830_009331_DEF1	2015-07-16	20150622_20150716	35.3623	0.0256807
Sentinel-1	S1A_IW_SLC__1SSV_20150716T024602_20150716T024629_006830_009331_DEF1	2015-07-16	S1A_IW_SLC__1SSV_20150809T024604_20150809T024631_007180_009CE7_6BDF	2015-08-09	20150716_20150809	19.2675	0.0139924
Sentinel-1	S1A_IW_SLC__1SSV_20150809T024604_20150809T024631_007180_009CE7_6BDF	2015-08-09	S1A_IW_SLC__1SSV_20150902T024605_20150902T024632_007530_00A678_6A9D	2015-09-02	20150809_20150902	20.2653	0.014717
Sentinel-1	S1A_IW_SLC__1SSV_20151113T024612_20151113T024639_008580_00C2B1_DDB1	2015-11-13	S1A_IW_SLC__1SSV_20151207T024612_20151207T024639_008930_00CC8D_ABB3	2015-12-07	20151113_20151207	25.2608	0.0183448
Sentinel-1	S1A_IW_SLC__1SSV_20160124T024610_20160124T024637_009630_00E07A_97EC	2016-01-24	S1A_IW_SLC__1SSV_20160217T024610_20160217T024636_009980_00EAAC_CE71	2016-02-17	20160124_20160217	30.7256	0.0223134
Sentinel-1	S1A_IW_SLC__1SSV_20160217T024610_20160217T024636_009980_00EAAC_CE71	2016-02-17	S1A_IW_SLC__1SSV_20160312T024610_20160312T024637_010330_00F4B9_6D48	2016-03-12	20160217_20160312	45.5126	0.033052
Sentinel-1	S1A_IW_SLC__1SSV_20160312T024610_20160312T024637_010330_00F4B9_6D48	2016-03-12	S1A_IW_SLC__1SSV_20160405T024610_20160405T024637_010680_00FEB4_9B96	2016-04-05	20160312_20160405	37.2449	0.0270479
Sentinel-1	S1A_IW_SLC__1SSV_20160405T024610_20160405T024637_010680_00FEB4_9B96	2016-04-05	S1A_IW_SLC__1SSV_20160429T024611_20160429T024638_011030_01096A_14A5	2016-04-29	20160405_20160429	20.1266	0.0146163
Sentinel-1	S1A_IW_SLC__1SSV_20160429T024611_20160429T024638_011030_01096A_14A5	2016-04-29	S1A_IW_SLC__1SSV_20160523T024613_20160523T024640_011380_0114A8_F79F	2016-05-23	20160429_20160523	37.4343	0.0271854
Sentinel-1	S1A_IW_SLC__1SSV_20160523T024613_20160523T024640_011380_0114A8_F79F	2016-05-23	S1A_IW_SLC__1SSV_20160616T024614_20160616T024641_011730_011FCC_0884	2016-06-16	20160523_20160616	37.5124	0.0272421
Sentinel-1	S1A_IW_SLC__1SSV_20160616T024614_20160616T024641_011730_011FCC_0884	2016-06-16	S1A_IW_SLC__1SSV_20160710T024615_20160710T024642_012080_012B06_5516	2016-07-10	20160616_20160710	23.3683	0.0169704
Sentinel-1	S1A_IW_SLC__1SSV_20160710T024615_20160710T024642_012080_012B06_5516	2016-07-10	S1A_IW_SLC__1SSV_20160803T024617_20160803T024644_012430_01367E_7D2E	2016-08-03	20160710_20160803	37.1908	0.0270086
Sentinel-1	S1A_IW_SLC__1SSV_20160803T024617_20160803T024644_012430_01367E_7D2E	2016-08-03	S1A_IW_SLC__1SSV_20160827T024618_20160827T024645_012780_01422D_092E	2016-08-27	20160803_20160827	26.0294	0.018903
Sentinel-1	S1A_IW_SLC__1SSV_20160827T024618_20160827T024645_012780_01422D_092E	2016-08-27	S1A_IW_SLC__1SSV_20160920T024619_20160920T024646_013130_014DA8_7B75	2016-09-20	20160827_20160920	23.4751	0.017048
Sentinel-1	S1A_IW_SLC__1SSV_20160920T024619_20160920T024646_013130_014DA8_7B75	2016-09-20	S1A_IW_SLC__1SSV_20161014T024619_20161014T024646_013480_0158D3_D4D7	2016-10-14	20160920_20161014	46.2905	0.0336169
Sentinel-1	S1A_IW_SLC__1SSV_20161014T024619_20161014T024646_013480_0158D3_D4D7	2016-10-14	S1A_IW_SLC__1SSV_20161107T024619_20161107T024646_013830_0163B9_2696	2016-11-07	20161014_20161107	48.9395	0.0355407
Sentinel-1	S1A_IW_SLC__1SSV_20161107T024619_20161107T024646_013830_0163B9_2696	2016-11-07	S1A_IW_SLC__1SSV_20161201T024618_20161201T024645_014180_016EB9_A342	2016-12-01	20161107_20161201	17.5337	0.0127333
Sentinel-1	S1A_IW_SLC__1SSV_20161201T024618_20161201T024645_014180_016EB9_A342	2016-12-01	S1A_IW_SLC__1SSV_20161225T024618_20161225T024645_014530_01798F_F7EA	2016-12-25	20161201_20161225	22.0336	0.0160012
Sentinel-1	S1A_IW_SLC__1SSV_20170211T024615_20170211T024642_015230_018F20_2076	2017-02-11	S1A_IW_SLC__1SDV_20170223T024615_20170223T024642_015405_01948A_6331	2017-02-23	20170211_20170223	62.3463	0.0452769
Sentinel-1	S1A_IW_SLC__1SDV_20170412T024616_20170412T024643_016105_01A985_0816	2017-04-12	S1A_IW_SLC__1SDV_20170424T024617_20170424T024644_016280_01AEE3_1867	2017-04-24	20170412_20170424	39.3445	0.0285726
Sentinel-1	S1A_IW_SLC__1SDV_20170506T024617_20170506T024644_016455_01B428_4D53	2017-05-06	S1A_IW_SLC__1SDV_20170518T024618_20170518T024645_016630_01B980_2E55	2017-05-18	20170506_20170518	66.9014	0.0485849
Sentinel-1	S1A_IW_SLC__1SDV_20170611T024619_20170611T024646_016980_01C451_CB08	2017-06-11	S1A_IW_SLC__1SDV_20170623T024620_20170623T024647_017155_01C9A9_7613	2017-06-23	20170611_20170623	33.5607	0.0243723
Sentinel-1	S1A_IW_SLC__1SDV_20170705T024621_20170705T024648_017330_01CEF8_D7D9	2017-07-05	S1A_IW_SLC__1SDV_20170717T024621_20170717T024648_017505_01D444_6CDF	2017-07-17	20170705_20170717	45.2143	0.0328354
Sentinel-1	S1A_IW_SLC__1SDV_20170810T024623_20170810T024650_017855_01DEF7_4596	2017-08-10	S1A_IW_SLC__1SDV_20170822T024623_20170822T024650_018030_01E445_9DA3	2017-08-22	20170810_20170822	34.6292	0.0251483
Sentinel-1	S1A_IW_SLC__1SDV_20170903T024624_20170903T024651_018205_01E98A_5965	2017-09-03	S1A_IW_SLC__1SDV_20170915T024624_20170915T024651_018380_01EEFE_3049	2017-09-15	20170903_20170915	9.715	0.00705518
Sentinel-1	S1B_IW_SLC__1SDV_20171214T024541_20171214T024604_008709_00F7CC_D825	2017-12-14	S1A_IW_SLC__1SDV_20171220T024624_20171220T024651_019780_021AA0_5EE4	2017-12-20	20171214_20171220	28.5565	0.0207382
Sentinel-1	S1B_IW_SLC__1SDV_20180107T024540_20180107T024603_009059_010317_BE0A	2018-01-07	S1A_IW_SLC__1SDV_20180113T024623_20180113T024650_020130_022539_06E4	2018-01-13	20180107_20180113	39.4858	0.0286752
Sentinel-1	S1B_IW_SLC__1SDV_20180212T024539_20180212T024602_009584_01144C_87DE	2018-02-12	S1A_IW_SLC__1SDV_20180218T024622_20180218T024649_020655_0235F4_1A6C	2018-02-18	20180211_20180218	38.092	0.0276631
Sentinel-1	S1A_IW_SLC__1SDV_20180314T024622_20180314T024649_021005_02410D_C03F	2018-03-14	S1B_IW_SLC__1SDV_20180320T024539_20180320T024602_010109_0125A0_E47D	2018-03-20	20180314_20180320	39.1948	0.0284639
Sentinel-1	S1A_IW_SLC__1SDV_20180419T024623_20180419T024650_021530_025192_2DDE	2018-04-19	S1B_IW_SLC__1SDV_20180425T024540_20180425T024603_010634_013688_2E51	2018-04-25	20180419_20180425	23.9331	0.0173806
Sentinel-1	S1B_IW_SLC__1SDV_20180519T024541_20180519T024605_010984_0141D5_1A76	2018-05-19	S1A_IW_SLC__1SDV_20180525T024625_20180525T024652_022055_026233_CD36	2018-05-25	20180519_20180525	37.6903	0.0273713
Sentinel-1	S1A_IW_SLC__1SDV_20180618T024626_20180618T024653_022405_026D19_E0E5	2018-06-18	S1B_IW_SLC__1SDV_20180624T024544_20180624T024607_011509_01526C_A24F	2018-06-24	20180618_20180624	19.23	0.0139651
Sentinel-1	S1B_IW_SLC__1SDV_20180706T024544_20180706T024608_011684_0157E3_CD4A	2018-07-06	S1A_IW_SLC__1SDV_20180712T024627_20180712T024654_022755_027765_C0BF	2018-07-12	20180706_20180712	15.3254	0.0111296
Sentinel-1	S1A_IW_SLC__1SDV_20180805T024629_20180805T024656_023105_028259_D6C6	2018-08-05	S1B_IW_SLC__1SDV_20180811T024546_20180811T024610_012209_0167EA_22FB	2018-08-11	20180805_20180811	11.0921	0.00805527
Sentinel-1	S1B_IW_SLC__1SDV_20180916T024548_20180916T024612_012734_01781B_5062	2018-09-16	S1A_IW_SLC__1SDV_20180922T024631_20180922T024658_023805_0298DE_F805	2018-09-22	20180916_20180922	35.7205	0.0259408
Sentinel-1	S1B_IW_SLC__1SDV_20181022T024549_20181022T024612_013259_018838_A0D3	2018-10-22	S1A_IW_SLC__1SDV_20181028T024632_20181028T024659_024330_02A9EC_6924	2018-10-28	20181022_20181028	22.5825	0.0163998
Sentinel-1	S1A_IW_SLC__1SDV_20181109T024631_20181109T024658_024505_02B012_4CFB	2018-11-09	S1B_IW_SLC__1SDV_20181115T024549_20181115T024611_013609_01932C_4454	2018-11-15	20181109_20181115	25.8215	0.018752
Sentinel-1	S1B_IW_SLC__1SDV_20181221T024547_20181221T024611_014134_01A42C_91A5	2018-12-21	S1A_IW_SLC__1SDV_20181227T024630_20181227T024657_025205_02C91D_48B9	2018-12-27	20181221_20181227	54.3743	0.0394875
Sentinel-1	S1B_IW_SLC__1SDV_20190102T024547_20190102T024610_014309_01A9FB_4F5E	2019-01-02	S1A_IW_SLC__1SDV_20190108T024629_20190108T024656_025380_02CF6F_09C9	2019-01-08	20190102_20190108	48.2644	0.0350504
Sentinel-1	S1B_IW_SLC__1SDV_20190219T024546_20190219T024609_015009_01C0B7_B708	2019-02-19	S1A_IW_SLC__1SDV_20190225T024628_20190225T024655_026080_02E8A0_F9AB	2019-02-25	20190219_20190225	75.0738	0.0545198
Sentinel-1	S1B_IW_SLC__1SDV_20190303T024546_20190303T024609_015184_01C66E_4768	2019-03-03	S1A_IW_SLC__1SDV_20190309T024628_20190309T024655_026255_02EEED_5B44	2019-03-09	20190303_20190309	58.7716	0.0426809
Sentinel-1	S1A_IW_SLC__1SDV_20190402T024629_20190402T024656_026605_02FBD4_BB0B	2019-04-02	S1B_IW_SLC__1SDV_20190408T024546_20190408T024613_015709_01D7A5_4754	2019-04-08	20190402_20190408	7.5924	0.0055137
Sentinel-1	S1A_IW_SLC__1SDV_20190508T024630_20190508T024657_027130_030ED9_5313	2019-05-08	S1B_IW_SLC__1SDV_20190514T024547_20190514T024611_016234_01E8DE_9E09	2019-05-14	20190508_20190514	17.4992	0.0127082
Sentinel-1	S1B_IW_SLC__1SDV_20190713T024551_20190713T024614_017109_020308_8AC3	2019-07-13	S1A_IW_SLC__1SDV_20190719T024634_20190719T024701_028180_032EE3_4ECA	2019-07-19	20190713_20190719	34.4503	0.0250184
Sentinel-1	S1A_IW_SLC__1SDV_20190905T024637_20190905T024704_028880_0345F8_D329	2019-09-05	S1B_IW_SLC__1SDV_20190911T024554_20190911T024618_017984_021DBC_OD34	2019-09-11	20190905_20190911	28.7016	0.0208436
Sentinel-1	S1B_IW_SLC__1SDV_20191005T024555_20191005T024618_018334_02289F_D87B	2019-10-05	S1A_IW_SLC__1SDV_20191011T024638_20191011T024705_029405_03580A_CBD4	2019-10-11	20191005_20191011	28.305	0.0205555
Sentinel-1	S1B_IW_SLC__1SDV_20191204T024554_20191204T024618_019209_02444B_CDF9	2019-12-04	S1A_IW_SLC__1SDV_20191210T024637_20191210T024704_030280_037667_8E9C	2019-12-10	20191204_20191210	6.3832	0.00463562
Sentinel-1	S1A_IW_SLC__1SDV_20200115T024635_20200115T024702_030805_038897_3D49	2020-01-15	S1B_IW_SLC__1SDV_20200121T024553_20200121T024616_019909_025A8E_BB CD	2020-01-21	20200115_20200121	41.3895	0.0300577
Sentinel-1	S1A_IW_SLC__1SDV_20200208T024635_20200208T024702_031155_0394DF_5A56	2020-02-08	S1B_IW_SLC__1SDV_20200214T024552_20200214T024615_020259_0265D8_2E55	2020-02-14	20200208_20200214	27.0427	0.0196389
Sentinel-1	S1B_IW_SLC__1SDV_20200321T024552_20200321T024615_020784_027697_CB2F	2020-03-21	S1A_IW_SLC__1SDV_20200327T024635_20200327T024702_031855_03AD29_3F41	2020-03-27	20200321		

Table S2a. Interferograms with mapped hydrological barriers - Hawizeh Marsh

Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
Sentinel-1	S1A_IW_SLC__1SDV_20211111T024650_20211111T024717_040605_04D11E_18AB	2021-11-17	S1B_IW_SLC__1SDV_20211123T024607_20211123T024630_029709_038BCD_9F95	2021-11-23	20211117_20211123	43.7964	0.0318057
Sentinel-1	S1A_IW_SLC__1SDV_20220104T024647_20220104T024714_041305_04E8FA_CD12	2022-01-04	S1A_IW_SLC__1SDV_20220116T024647_20220116T024714_041480_04EEB6_9BA2	2022-01-16	20220104_20220116	41.747	0.0303174
Sentinel-1	S1A_IW_SLC__1SDV_20220305T024646_20220305T024713_042180_0506C0_9036	2022-03-05	S1A_IW_SLC__1SDV_20220317T024646_20220317T024713_042355_050CB2_40BE	2022-03-17	20220305_20220317	82.4106	0.0598479
Sentinel-1	S1A_IW_SLC__1SDV_20220516T024648_20220516T024715_043230_0529B5_CCA9	2022-05-16	S1A_IW_SLC__1SDV_20220528T024649_20220528T024716_043405_052EE4_FB31	2022-05-28	20220516_20220528	32.3839	0.0235177
Sentinel-1	S1A_IW_SLC__1SDV_20220808T024654_20220808T024721_044455_054E0A_8483	2022-08-08	S1A_IW_SLC__1SDV_20220820T024655_20220820T024722_044630_0553DD_52C4	2022-08-20	20220808_20220820	44.9016	0.0326083
Sentinel-1	S1A_IW_SLC__1SDV_20221218T024654_20221218T024721_046380_058E47_5E47	2022-12-18	S1A_IW_SLC__1SDV_20221230T024654_20221230T024721_046555_05942C_BD31	2022-12-30	20221218_20221230	47.2835	0.034338
Sentinel-1	S1A_IW_SLC__1SDV_20230604T024655_20230604T024722_048830_05DF49_1888	2023-06-04	S1A_IW_SLC__1SDV_20230616T024656_20230616T024723_049005_05E49C_D44A	2023-06-16	20230604_20230616	24.7141	0.0179478
Sentinel-1	S1A_IW_SLC__1SDV_20230710T024657_20230710T024724_049355_05EF58_2CC0	2023-07-10	S1A_IW_SLC__1SDV_20230722T024658_20230722T024725_049530_05F4AC_71CD	2023-07-22	20230710_20230722	35.2654	0.0256103
Sentinel-1	S1A_IW_SLC__1SDV_20231014T024701_20231014T024728_050755_061DC6_FA42	2023-10-14	S1A_IW_SLC__1SDV_20231026T024701_20231026T024728_050930_0623BD_F8D2	2023-10-26	20231014_20231026	28.2508	0.0205162
Sentinel-1	S1A_IW_SLC__1SDV_20240306T024657_20240306T024724_052855_06659D_D4B2	2024-03-06	S1A_IW_SLC__1SDV_20240318T024657_20240318T024724_053030_066BCA_C91B	2024-03-18	20240306_20240318	53.2553	0.0386749
Sentinel-1	S1A_IW_SLC__1SDV_20240704T024656_20240704T024723_054605_06A593_3ECA	2024-07-04	S1A_IW_SLC__1SDV_20240716T024656_20240716T024723_054780_06ABA0_E134	2024-07-16	20240704_20240716	24.0696	0.0174798
Sentinel-1	S1A_IW_SLC__1SDV_20240809T024656_20240809T024723_055130_06B7DD_421E	2024-08-09	S1A_IW_SLC__1SDV_20240821T024656_20240821T024723_055305_06BE3D_3131	2024-08-21	20240809_20240821	29.9908	0.0217798
Sentinel-1	S1A_IW_SLC__1SDV_20240902T024656_20240902T024723_055480_06C4BA_F256	2024-09-02	S1A_IW_SLC__1SDV_20240914T024657_20240914T024724_055655_06CBA4_72AF	2024-09-14	20240902_20240914	37.7775	0.0274347
Sentinel-1	S1A_IW_SLC__1SDV_20241113T024657_20241113T024724_056530_06EE4B_C6E1	2024-11-13	S1A_IW_SLC__1SDV_20241125T024656_20241125T024723_056705_06F54C_90B3	2024-11-25	20241113_20241125	26.6824	0.0193772
Sentinel-1	S1A_IW_SLC__1SDV_20241207T024655_20241207T024722_056880_06FC2C_DBF1	2024-12-07	S1A_IW_SLC__1SDV_20241219T024654_20241219T024721_057055_07032C_7105	2024-12-19	20241207_20241219	29.7904	0.0216343
Sentinel-1	S1A_IW_SLC__1SDV_20250205T024650_20250205T024717_057755_071ED9_B72C	2025-02-05	S1A_IW_SLC__1SDV_20250217T024650_20250217T024717_057930_0725E5_6A15	2025-02-17	20250205_20250217	54.0662	0.0392638
Sentinel-1	S1A_IW_SLC__1SDV_20250301T024650_20250301T024717_058105_072D04_8885	2025-03-01	S1A_IW_SLC__1SDV_20250313T024650_20250313T024717_058280_07341C_73FA	2025-03-13	20250301_20250313	48.8569	0.0354807
Sentinel-1	S1A_IW_SLC__1SDV_20250605T024649_20250605T024716_059505_076320_F6F7	2025-06-05	S1A_IW_SLC__1SDV_20250617T024649_20250617T024716_059680_076919_EBE0	2025-06-17	20250605_20250617	33.7818	0.0245329
Sentinel-1	S1C_IW_SLC__1SDV_20250915T024535_20250915T024604_004129_00834B_D0B9	2025-09-15	S1A_IW_SLC__1SDV_20250921T024648_20250921T024715_061080_079CDA_204E	2025-09-21	20250915_20250921	47.0349	0.0341575
Sentinel-1	S1C_IW_SLC__1SDV_20251021T024536_20251021T024604_004654_009339_2A8C	2025-10-21	S1A_IW_SLC__1SDV_20251027T024648_20251027T024715_061605_07B1FF_E9BE	2025-10-27	20251021_20251027	42.5193	0.0308782
Sentinel-1	S1C_IW_SLC__1SDV_20251220T024533_20251220T024602_005529_00B04E_10DD	2025-12-20	S1A_IW_SLC__1SDV_20251226T024643_20251226T024710_062480_07D41E_727F	2025-12-26	20251202_20251212	39.5456	0.0287186

Table S2a. Interferograms with mapped hydrological barriers - Doñana

Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
Sentinel-1	S1A_IW_SLC__1SDV_20150520T062636_20150520T062702_006001_007BC9_335B	2015-05-20	S1A_IW_SLC__1SDV_20150613T062637_20150613T062704_006351_0085C9_4F76	2015-06-13	20150520_20150613	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20150613T062637_20150613T062704_006351_0085C9_4F76	2015-06-13	S1A_IW_SLC__1SDV_20150625T062638_20150625T062705_006526_008AC2_EC16	2015-06-25	20150613_20150625	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20150625T062638_20150625T062705_006526_008AC2_EC16	2015-06-25	S1A_IW_SLC__1SDV_20150707T062637_20150707T062704_006701_008F6F_A75B	2015-07-07	20150625_20150707	1.353	0.00121182
Sentinel-1	S1A_IW_SLC__1SDV_20150812T062641_20150812T062708_007226_009E2A_441A	2015-08-12	S1A_IW_SLC__1SDV_20150824T062642_20150824T062709_007401_00AA2E_7F2C	2015-08-24	20150812_20150824	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20150929T062643_20150929T062710_007926_00B121_D8DA	2015-09-29	S1A_IW_SLC__1SDV_20151023T062643_20151023T062710_008276_00BA95_19BD	2015-10-23	20150929_20151023	2.0231	0.00181206
Sentinel-1	S1A_IW_SLC__1SDV_20151023T062643_20151023T062710_008276_00BA95_19BD	2015-10-23	S1A_IW_SLC__1SDV_20151104T062643_20151104T062710_008451_00BF29_4811	2015-11-04	20151023_20151104	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20160127T062700_20160127T062727_009676_00E1D1_CA87	2016-01-27	S1A_IW_SLC__1SDV_20160208T062643_20160208T062710_009851_00E6D4_3CCC	2016-02-08	20160127_20160208	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20160327T062644_20160327T062711_010551_00FAEE_013F	2016-03-27	S1A_IW_SLC__1SDV_20160408T062644_20160408T062711_010726_010012_017B	2016-04-08	20160327_20160408	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20160408T062644_20160408T062711_010726_010012_017B	2016-04-08	S1A_IW_SLC__1SDV_20160420T062645_20160420T062712_010901_01055C_0565	2016-04-20	20160408_20160420	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20160420T062645_20160420T062712_010901_01055C_0565	2016-04-20	S1A_IW_SLC__1SDV_20160502T062645_20160502T062712_011076_010ADF_7F75	2016-05-02	20160420_20160502	1.628	0.00145818
Sentinel-1	S1A_IW_SLC__1SDV_20160526T062649_20160526T062716_011426_01162A_EAC1	2016-05-26	S1A_IW_SLC__1SDV_20160607T062646_20160607T062713_011601_011BB5_2069	2016-06-07	20160526_20160607	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20160806T062657_20160806T062724_012476_013809_8E0A	2016-08-06	S1A_IW_SLC__1SDV_20160818T062650_20160818T062717_012651_013DC9_BCf8	2016-08-18	20160806_20160818	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20160911T062651_20160911T062718_013001_014959_8D4B	2016-09-11	S1A_IW_SLC__1SDV_20160923T062652_20160923T062719_013176_014F27_3934	2016-09-23	20160911_20160923	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20161011T062625_20161011T062652_002455_004250_7625	2016-10-11	S1A_IW_SLC__1SDV_20161017T062652_20161017T062719_013526_015A40_CF1B	2016-10-17	20161011_20161017	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20161110T062652_20161110T062719_013876_016529_866A	2016-11-10	S1B_IW_SLC__1SDV_20161116T062624_20161116T062651_002980_005105_8CDD	2016-11-16	20161110_20161116	0	0
Sentinel-1	S1B_IW_SLC__1SDV_20161210T062624_20161210T062651_003330_005AF5_E0B5	2016-12-10	S1B_IW_SLC__1SDV_20161222T062623_20161222T062650_003505_005FE4_E999	2016-12-22	20161210_20161222	2.2442	0.00201013
Sentinel-1	S1B_IW_SLC__1SDV_20170103T062622_20170103T062649_003680_00650F_A662	2017-01-03	S1A_IW_SLC__1SDV_20170109T062649_20170109T062716_014751_01803C_A435	2017-01-09	20170103_20170109	3.2247	0.00288833
Sentinel-1	S1B_IW_SLC__1SDV_20170316T062621_20170316T062648_004730_008427_E23B	2017-03-16	S1A_IW_SLC__1SDV_20170322T062648_20170322T062715_015801_01A061_3E70	2017-03-22	20170316_20170322	0.767038	0.000687027
Sentinel-1	S1A_IW_SLC__1SDV_20170403T062649_20170403T062716_015976_01A590_931E	2017-04-03	S1B_IW_SLC__1SDV_20170409T062621_20170409T062648_005080_008E34_11DA	2017-04-09	20170403_20170409	0.904671	0.000810303
Sentinel-1	S1B_IW_SLC__1SDV_20170503T062623_20170503T062650_005430_00984F_C1AA	2017-05-03	S1A_IW_SLC__1SDV_20170509T062650_20170509T062717_016501_01B593_568B	2017-05-09	20170503_20170509	2.7265	0.00244212
Sentinel-1	S1A_IW_SLC__1SDV_20170602T062659_20170602T062726_016851_01C04F_876E	2017-06-02	S1B_IW_SLC__1SDV_20170608T062655_005955_00A72C_E5CC	2017-06-08	20170602_20170608	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20170813T062703_20170813T062730_017901_01E050_AB9F	2017-08-13	S1B_IW_SLC__1SDV_20170819T062632_20170819T062659_007005_00C576_C917	2017-08-19	20170813_20170819	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20170918T062705_20170918T062732_018426_01F060_232C	2017-09-18	S1B_IW_SLC__1SDV_20170924T062634_20170924T062701_007530_00D4B3_AD19	2017-09-24	20170918_20170924	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20171012T062705_20171012T062732_018776_01FB0E_54EB	2017-10-12	S1B_IW_SLC__1SDV_20171018T062634_20171018T062701_007880_00DEB2_DBF0	2017-10-18	20171012_20171018	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20171117T062705_20171117T062732_019301_020B3B_88DB	2017-11-17	S1B_IW_SLC__1SDV_20171123T062634_20171123T062701_008405_00EE2A_C91F	2017-11-23	20171117_20171123	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20171223T062703_20171223T062730_019826_021B9D_D57A	2017-12-23	S1B_IW_SLC__1SDV_20171229T062633_20171229T062700_008930_00FEDF_4111	2017-12-29	20171223_20171229	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20180128T062702_20180128T062729_020351_022C3A_2E35	2018-01-28	S1A_IW_SLC__1SDV_20180209T062702_20180209T062729_020526_0231D3_5A3F	2018-02-09	20180128_20180209	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20180209T062702_20180209T062729_020526_0231D3_5A3F	2018-02-09	S1A_IW_SLC__1SDV_20180221T062702_20180221T062729_020701_023765_FC79	2018-02-21	20180209_20180221	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20180410T062703_20180410T062730_021401_024D81_9C1B	2018-04-10	S1A_IW_SLC__1SDV_20180422T062703_20180422T062730_021576_0252F5_ACB9	2018-04-22	20180410_20180422	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20180422T062703_20180422T062730_021576_0252F5_ACB9	2018-04-22	S1A_IW_SLC__1SDV_20180504T062704_20180504T062731_021751_02587B_E4CA	2018-05-04	20180422_20180504	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20180504T062704_20180504T062731_021751_02587B_E4CA	2018-05-04	S1A_IW_SLC__1SDV_20180516T062704_20180516T062731_021926_025E18_D4BC	2018-05-16	20180504_20180516	2.6435	0.00236779
Sentinel-1	S1A_IW_SLC__1SDV_20180727T062709_20180727T062735_022976_027E54_A333	2018-07-27	S1A_IW_SLC__1SDV_20180808T062709_20180808T062736_023151_0283CF_0EB2	2018-08-08	20180727_20180808	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20180901T062711_20180901T062738_023501_028F08_471C	2018-09-01	S1A_IW_SLC__1SDV_20180913T062711_20180913T062738_023676_02949E_2C2B	2018-09-13	20180901_20180913	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20181112T062711_20181112T062738_024551_02B1C4_B13B	2018-11-12	S1A_IW_SLC__1SDV_20181124T062711_20181124T062738_024726_02B833_14C7	2018-11-24	20181112_20181124	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20181218T062710_20181218T062737_025076_02C469_E5F0	2018-12-18	S1A_IW_SLC__1SDV_20181230T062710_20181230T062737_025251_02CAC4_9F09	2018-12-30	20181218_20181230	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20190111T062709_20190111T062736_025426_02D10E_AA42	2019-01-11	S1A_IW_SLC__1SDV_20190123T062709_20190123T062736_025601_02D76E_21DD	2019-01-23	20190111_20190123	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20190216T062708_20190216T062735_025951_02E3FB_50B4	2019-02-16	S1A_IW_SLC__1SDV_20190228T062708_20190228T062735_026126_02EA39_0D9C	2019-02-28	20190216_20190228	1.0106	0.000905148
Sentinel-1	S1A_IW_SLC__1SDV_20190312T062708_20190312T062735_026301_02F096_0021	2019-03-12	S1A_IW_SLC__1SDV_20190324T062709_20190324T062736_026476_02F70E_1E1C	2019-03-24	20190312_20190324	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20190405T062709_20190405T062736_026651_02FD86_CD49	2019-04-05	S1A_IW_SLC__1SDV_20190417T062709_20190417T062736_026826_0303E3_7128	2019-04-17	20190405_20190417	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20190511T062710_20190511T062737_027176_03103D_3C8D	2019-05-11	S1A_IW_SLC__1SDV_20190523T062711_20190523T062738_027351_0315B5_03EF	2019-05-23	20190511_20190523	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20190616T062712_20190616T062739_027701_03206F_D975	2019-06-16	S1A_IW_SLC__1SDV_20190628T062713_20190628T062740_027876_0325A7_AE9D	2019-06-28	20190616_20190628	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20190722T062714_20190722T062741_028226_033042_6FED	2019-07-22	S1A_IW_SLC__1SDV_20190803T062715_20190803T062742_028401_033597_BF90	2019-08-03	20190722_20190803	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20190815T062716_20190815T062743_028576_033B61_B169	2019-08-15	S1A_IW_SLC__1SDV_20190827T062716_20190827T062743_028751_034175_FF8F	2019-08-27	20190815_20190827	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20190908T062717_20190908T062744_028926_03478B_8F80	2019-09-08	S1A_IW_SLC__1SDV_20190920T062717_20190920T062744_029101_034D93_3EAE	2019-09-20	20190908_20190920	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20191014T062718_20191014T062745_029451_0359A3_ADD9	2019-10-14	S1A_IW_SLC__1SDV_20191026T062718_20191026T062745_029626_035FA2_8289	2019-10-26	20191014_20191026	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20191107T062718_20191107T062745_029801_0365D2_1249	2019-11-07	S1A_IW_SLC__1SDV_20191119T062718_20191119T062745_029976_036BE1_765F	2019-11-19	20191107_20191119	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20191213T062717_20191213T062744_030326_037800_947A	2019-12-13	S1A_IW_SLC__1SDV_20191225T062717_20191225T062743_030501_037E0D_E2BA	2019-12-25	20191213_20191225	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20200106T062716_20200106T062743_030676_038414_6F14	2020-01-06	S1A_IW_SLC__1SDV_20200118T062715_20200118T062742_030851_038A37_61D5	2020-01-18	20200106_20200118	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20200211T062715_20200211T062742_031201_039670_6E3C	2020-02-11	S1A_IW_SLC__1SDV_20200223T062715_20200223T062742_031376_039C79_A6E5	2020-02-23	20200211_20200223	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20200318T062715_20200318T062742_031726_03A899_D36E	2020-03-18	S1A_IW_SLC__1SDV_20200330T062715_20200330T062742_031901_03AEC0_41FB	2020-03-30	20200318_20200330	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20200423T062716_20200423T062743_032251_03BB10_042A	2020-04-23	S1A_IW_SLC__1SDV_20200505T062716_20200505T062743_032426_03C13E_A743	2020-05-05	20200423_20200505	1.4527	0.00130118
Sentinel-1	S1A_IW_SLC__1SDV_20200505T062716_20200505T062743_032426_03C13E_A743	2020-05-05	S1A_IW_SLC__1SDV_20200517T062717_20200517T062744_032601_03C6A2_C4A3	2020-05-17	20200505_20200517	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20200622T062719_20200622T062746_033126_03D666_F446	2020-06-22	S1A_IW_SLC__1SDV_20200704T062720_20200704T062747_033301_03DBB3_7138	2020-07-04	20200622_20200704	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20200704T062720_20200704T062747_033301_03DBB3_7138	2020-07-04	S1A_IW_SLC__1SDV_20200716T062720_20200716T062747_033476_03E10C_37B4	2020-07-16	20200704_20200716	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20200809T062722_20200809T062749_033826_03EC05_BBBF	2020-08-09	S1A_IW_SLC__1SDV_20200821T062723_20200821T062750_034001_03F22A_C7C7	2020-08-21	20200809_20200821	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20200914T062724_20200914T062751_034351_03FE79_AFAE	2020-09-14	S1A_IW_SLC__1SDV_20200926T062724_20200926T062751_034526_0404A0_7886	2020-09-26	20200914_20200926	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20201008T062724_20201008T062751_034701_040AC1_19CD	2020-10-08	S1A_IW_SLC__1SDV_20201020T062724_20201020T062751_034876_0410EA_365A	2020-10-20	20201008_20201020	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20201101T062724_20201101T062751_035051_0416DA_DD01	2020-11-01	S1A_IW_SLC__1SDV_20201113T062724_20201113T062751_035226_041CF8_5B00	2020-11-13	20201101_20201113	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20201219T062723_20201219T062750_035751_042F10_83C8	2020-12-19	S1A_IW_SLC__1SDV_20201231T062722_20201231T062749_035926_043529_74DF	2020-12-31	20201219_20201231	0	0
Sentinel-1	S1A_IW_SLC__1SDV_2021						

Table S2a. Interferograms with mapped hydrological barriers - Doñana

Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
Sentinel-1	S1A_IW_SLC__1SDV_20220107T062727_20220107T062754_041351_04EA80_A44B	2022-01-07	S1A_IW_SLC__1SDV_20220119T062727_20220119T062754_041526_04F039_A009	2022-01-19	20220107_20220119	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20220212T062726_20220212T062753_041876_04FC3D_1807	2022-02-12	S1A_IW_SLC__1SDV_20220224T062726_20220224T062753_042051_050254_FA0E	2022-02-24	20220212_20220224	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20220320T062726_20220320T062753_042401_050E34_2DC4	2022-03-20	S1A_IW_SLC__1SDV_20220401T062726_20220401T062753_042576_051420_C54C	2022-04-01	20220320_20220401	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20220612T062731_20220612T062758_043626_053561_0355	2022-06-12	S1A_IW_SLC__1SDV_20220624T062731_20220624T062758_043801_053AA0_73F3	2022-06-24	20220612_20220624	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20220706T062732_20220706T062759_043976_053FD3_5467	2022-07-06	S1A_IW_SLC__1SDV_20220718T062733_20220718T062800_044151_054515_C6F7	2022-07-18	20220706_20220718	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20220811T062734_20220811T062801_044501_054F76_E5CD	2022-08-11	S1A_IW_SLC__1SDV_20220823T062735_20220823T062802_044676_055562_0E3A	2022-08-23	20220811_20220823	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20220916T062736_20220916T062803_045026_05612A_9419	2022-09-16	S1A_IW_SLC__1SDV_20220928T062736_20220928T062803_045201_05670B_A95B	2022-09-28	20220916_20220928	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20221010T062736_20221010T062803_045376_056CEA_7E14	2022-10-10	S1A_IW_SLC__1SDV_20221022T062736_20221022T062803_045551_057217_E96D	2022-10-22	20221010_20221022	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20221103T062736_20221103T062803_045726_0577FB_8C01	2022-11-03	S1A_IW_SLC__1SDV_20221115T062736_20221115T062803_045901_057DEE_040C	2022-11-15	20221103_20221115	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20221209T062735_20221209T062802_046251_0589D0_1760	2022-12-09	S1A_IW_SLC__1SDV_20221221T062734_20221221T062801_046426_058FCE_4F37	2022-12-21	20221209_20221221	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20230102T062734_20230102T062801_046601_0595BA_2D69	2023-01-02	S1A_IW_SLC__1SDV_20230114T062733_20230114T062800_046776_059B9B_7658	2023-01-14	20230102_20230114	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20230207T062732_20230207T062759_047126_05A75D_2199	2023-02-07	S1A_IW_SLC__1SDV_20230219T062732_20230219T062759_047301_05AD43_80FB	2023-02-19	20230207_20230219	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20230315T062732_20230315T062759_047651_05B91D_5C68	2023-03-15	S1A_IW_SLC__1SDV_20230327T062732_20230327T062759_047826_05BF02_451D	2023-03-27	20230315_20230327	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20230408T062732_20230408T062759_048001_05C4EC_6D8E	2023-04-08	S1A_IW_SLC__1SDV_20230420T062732_20230420T062759_048176_05CAC9_E63B	2023-04-20	20230408_20230420	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20230502T062733_20230502T062800_048351_05D0AD_028C	2023-05-02	S1A_IW_SLC__1SDV_20230514T062801_048526_05D642_22DE	2023-05-14	20230502_20230514	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20230619T062736_20230619T062803_049051_05E600_90C4	2023-06-19	S1A_IW_SLC__1SDV_20230701T062736_20230701T062803_049226_05EB4B_D834	2023-07-01	20230619_20230701	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20230713T062737_20230713T062804_049401_05F0B8_085C	2023-07-13	S1A_IW_SLC__1SDV_20230725T062738_20230725T062805_049576_05F614_BE2E	2023-07-25	20230713_20230725	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20230806T062739_20230806T062806_049751_05FB79_8496	2023-08-06	S1A_IW_SLC__1SDV_20230818T062740_20230818T062806_049926_060166_5218	2023-08-18	20230806_20230818	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20230911T062741_20230911T062808_050276_060D5E_6C75	2023-09-11	S1A_IW_SLC__1SDV_20230923T062741_20230923T062808_050451_061351_0139	2023-09-23	20230911_20230923	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20231110T062740_20231110T062807_051151_062B4C_FBOC	2023-11-10	S1A_IW_SLC__1SDV_20231122T062740_20231122T062807_051326_063160_F0A3	2023-11-22	20231110_20231122	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20231204T062740_20231204T062807_051501_06375D_6280	2023-12-04	S1A_IW_SLC__1SDV_20231216T062739_20231216T062806_051676_063D78_0357	2023-12-16	20231204_20231216	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20240109T062738_20240109T062805_052026_064983_2835	2024-01-09	S1A_IW_SLC__1SDV_20240121T062738_20240121T062805_052201_064F6F_DAF5	2024-01-21	20240109_20240121	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20240309T062737_20240309T062804_052901_066720_BE50	2024-03-09	S1A_IW_SLC__1SDV_20240321T062737_20240321T062804_053076_066D8F_61FE	2024-03-21	20240309_20240321	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20240402T062738_20240402T062805_053251_06742C_75AE	2024-04-02	S1A_IW_SLC__1SDV_20240414T062737_20240414T062804_053426_067B1B_A282	2024-04-14	20240402_20240414	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20240508T062739_20240508T062806_053776_0688DB_7E58	2024-05-08	S1A_IW_SLC__1SDV_20240520T062738_20240520T062805_053951_068EE1_7AF1	2024-05-20	20240508_20240520	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20240613T062737_20240613T062804_054301_069AF7_06D9	2024-06-13	S1A_IW_SLC__1SDV_20240625T062737_20240625T062804_054476_06A10F_7E9C	2024-06-25	20240613_20240625	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20240719T062736_20240719T062803_054826_06AD33_2D48	2024-07-19	S1A_IW_SLC__1SDV_20240731T062736_20240731T062803_055001_06B34D_9279	2024-07-31	20240719_20240731	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20240812T062736_20240812T062803_055176_06B977_75B7	2024-08-12	S1A_IW_SLC__1SDV_20240824T062736_20240824T062803_055351_06BFF5_38A7	2024-08-24	20240812_20240824	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20240905T062736_20240905T062803_055526_06C681_2A63	2024-09-05	S1A_IW_SLC__1SDV_20240917T062737_20240917T062804_055701_06CD6F_64B9	2024-09-17	20240905_20240917	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20241011T062737_20241011T062804_056051_06DB40_1DA9	2024-10-11	S1A_IW_SLC__1SDV_20241023T062737_20241023T062804_056226_06E22C_0462	2024-10-23	20241011_20241023	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20241104T062737_20241104T062804_056401_06E920_19CA	2024-11-04	S1A_IW_SLC__1SDV_20241116T062737_20241116T062804_056576_06F01D_54EE	2024-11-16	20241104_20241116	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20241210T062735_20241210T062802_056926_06FDEE_0E39	2024-12-10	S1A_IW_SLC__1SDV_20241222T062734_20241222T062801_057101_0704F8_D95A	2024-12-22	20241210_20241222	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20250103T062733_20250103T062800_057276_070BDA_5974	2025-01-03	S1A_IW_SLC__1SDV_20250115T062732_20250115T062759_057451_0712C4_DE82	2025-01-15	20250103_20250115	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20250208T062731_20250208T062758_057801_0720A5_E5AB	2025-02-08	S1A_IW_SLC__1SDV_20250220T062730_20250220T062757_057976_0727BC_7F87	2025-02-20	20250208_20250220	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20250316T062730_20250316T062757_058326_0735E5_E110	2025-03-16	S1A_IW_SLC__1SDV_20250328T062730_20250328T062757_058501_073CD1_FB15	2025-03-28	20250316_20250328	1.2559	0.00112487
Sentinel-1	S1A_IW_SLC__1SDV_20250409T062730_20250409T062757_058676_0743FA_B131	2025-04-09	S1A_IW_SLC__1SDV_20250421T062731_20250421T062758_058851_074B26_5BE6	2025-04-21	20250409_20250421	5.0433	0.0045172
Sentinel-1	S1A_IW_SLC__1SDV_20250515T062731_20250515T062758_059201_07588F_EEB7	2025-05-15	S1A_IW_SLC__1SDV_20250527T062730_20250527T062757_059376_075EA8_7C45	2025-05-27	20250515_20250527	0.407593	0.000365076
Sentinel-1	S1A_IW_SLC__1SDV_20250608T062729_20250608T062756_059551_0764A6_E012	2025-06-08	S1A_IW_SLC__1SDV_20250620T062729_20250620T062756_059726_076AAC_FB04	2025-06-20	20250608_20250620	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20250702T062728_20250702T062755_059901_0770C7_173D	2025-07-02	S1A_IW_SLC__1SDV_20250714T062728_20250714T062755_060076_0776CA_2BCD	2025-07-14	20250702_20250714	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20250807T062727_20250807T062754_060426_0782E5_9F78	2025-08-07	S1A_IW_SLC__1SDV_20250819T062727_20250819T062754_060601_0789CA_88A7	2025-08-19	20250807_20250819	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20250912T062728_20250912T062755_060951_0797AB_D876	2025-09-12	S1A_IW_SLC__1SDV_20250924T062728_20250924T062755_061126_079EB0_421D	2025-09-24	20250912_20250924	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20251018T062728_20251018T062755_061476_07ACC8_D649	2025-10-18	S1A_IW_SLC__1SDV_20251030T062728_20251030T062755_061651_07B3D7_B544	2025-10-30	20251018_20251030	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20251111T062727_20251111T062754_061826_07BA9F_F59A	2025-11-11	S1A_IW_SLC__1SDV_20251123T062727_20251123T062754_062001_07C172_51D2	2025-11-23	20251111_20251123	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20251205T062725_20251205T062752_062176_07C843_12B0	2025-12-05	S1A_IW_SLC__1SDV_20251217T062724_20251217T062751_062351_07CF1B_328F	2025-12-17	20251205_20251217	0	0

Table S2a. Interferograms with mapped hydrological barriers - Everglades National Park							
Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
ALOS-1	ALPSRP053840490	2007-01-28	ALPSRP087390490	2007-09-15	20070128_20070915	18.2727	0.00299309
ALOS-1	ALPSRP087390490	2007-09-15	ALPSRP100810490	2007-12-16	20070915_20071216	22.6883	0.00371637
ALOS-1	ALPSRP100810490	2007-12-16	ALPSRP107520490	2008-01-31	20071216_20080131	2.9312	0.000480134
ALOS-1	ALPSRP107520490	2008-01-31	ALPSRP114230490	2008-03-17	20080131_20080317	2.3213	0.000380232
ALOS-1	ALPSRP114230490	2008-03-17	ALPSRP120940490	2008-05-02	20080317_20080502	6.3833	0.00104558
ALOS-1	ALPSRP141070490	2008-09-17	ALPSRP161200490	2009-02-02	20080917_20090202	7.764	0.00127175
ALOS-1	ALPSRP161200490	2009-02-02	ALPSRP167910490	2009-03-20	20090202_20090320	28.3208	0.00463898
ALOS-1	ALPSRP167910490	2009-03-20	ALPSRP208170490	2009-12-21	20090320_20091221	11.0051	0.00180265
ALOS-1	ALPSRP208170490	2009-12-21	ALPSRP221590490	2010-03-23	20091221_20100323	31.064	0.00508832
ALOS-1	ALPSRP221590490	2010-03-23	ALPSRP228300490	2010-05-08	20100323_20100508	12.7174	0.00208312
ALOS-1	ALPSRP228300490	2010-05-08	ALPSRP235010490	2010-06-23	20100508_20100623	23.5792	0.00386229
ALOS-1	ALPSRP235010490	2010-06-23	ALPSRP241720490	2010-08-08	20100623_20100808	30.2099	0.00494842
ALOS-1	ALPSRP241720490	2010-08-08	ALPSRP248430490	2010-09-23	20100808_20100923	39.5544	0.00647905
ALOS-1	ALPSRP248430490	2010-09-23	ALPSRP255140490	2010-11-08	20100923_20101108	52.1092	0.00853554
ALOS-1	ALPSRP255140490	2010-11-08	ALPSRP261850490	2010-12-24	20101108_20101224	20.9555	0.00343253
ALOS-1	ALPSRP261850490	2010-12-24	ALPSRP268560490	2011-02-08	20101224_20110208	6.6143	0.00108343
Sentinel-1	S1A_IW_SLC__1SDV_20161015T232653_20161015T232723_002524_004432_468D	2016-10-15	S1A_IW_SLC__1SDV_20161021T232741_20161021T232811_013595_015C6C_93E1	2016-10-21	20161015_20161021	32.9848	0.00540294
Sentinel-1	S1A_IW_SLC__1SDV_20161114T232741_20161114T232810_013945_016753_6861	2016-11-14	S1A_IW_SLC__1SDV_20161126T232740_20161126T232810_014120_016CA2_DA39	2016-11-26	20161114_20161126	21.9612	0.00359727
Sentinel-1	S1A_IW_SLC__1SDV_20161208T232740_20161208T232810_014295_017231_184A	2016-12-08	S1A_IW_SLC__1SDV_20161220T232739_20161220T232809_014470_0177A5_41C5	2016-12-20	20161208_20161220	26.3849	0.00432187
Sentinel-1	S1A_IW_SLC__1SDV_20170113T232738_20170113T232807_014820_01825D_0173	2017-01-13	S1A_IW_SLC__1SDV_20170125T232737_20170125T232807_014995_0187CE_1A01	2017-01-25	20170113_20170125	26.8815	0.00440322
Sentinel-1	S1A_IW_SLC__1SDV_20170314T232739_20170314T232806_015695_019D43_35E8	2017-03-14	S1A_IW_SLC__1SDV_20170326T232739_20170326T232806_015870_01A271_7987	2017-03-26	20170314_20170326	25.3965	0.00415998
Sentinel-1	S1A_IW_SLC__1SDV_20170513T232741_20170513T232808_016570_01B7A7_6F15	2017-05-13	S1A_IW_SLC__1SDV_20170525T232742_20170525T232809_016745_01BD07_81ED	2017-05-25	20170513_20170525	6.7196	0.00110067
Sentinel-1	S1A_IW_SLC__1SDV_20170817T232747_20170817T232814_017970_01E26C_DBFA	2017-08-17	S1A_IW_SLC__1SDV_20170829T232747_20170829T232814_018145_01E7B6_E297	2017-08-29	20170817_20170829	26.2497	0.00429973
Sentinel-1	S1A_IW_SLC__1SDV_20171004T232748_20171004T232815_018670_01F7DD_729D	2017-10-04	S1A_IW_SLC__1SDV_20171016T232749_20171016T232816_018845_01FD3C_7037	2017-10-16	20171004_20171016	55.4228	0.0090783
Sentinel-1	S1A_IW_SLC__1SDV_20171109T232748_20171109T232815_019195_0207EE_6119	2017-11-09	S1A_IW_SLC__1SDV_20171121T232748_20171121T232815_019370_020D75_9FB6	2017-11-21	20171109_20171121	36.4312	0.00596747
Sentinel-1	S1A_IW_SLC__1SDV_20171203T232748_20171203T232815_019545_0212EB_F7B8	2017-12-03	S1A_IW_SLC__1SDV_20171215T232747_20171215T232814_019720_02185F_0412	2017-12-15	20171203_20171215	39.3474	0.00644514
Sentinel-1	S1A_IW_SLC__1SDV_20180108T232746_20180108T232813_020070_02234C_DEA1	2018-01-08	S1A_IW_SLC__1SDV_20180120T232746_20180120T232813_020245_0228DA_00E8	2018-01-20	20180108_20180120	24.2319	0.00396921
Sentinel-1	S1A_IW_SLC__1SDV_20180213T232745_20180213T232812_020595_02340A_3D18	2018-02-13	S1A_IW_SLC__1SDV_20180225T232745_20180225T232812_020770_0239A0_79A6	2018-02-25	20180213_20180225	23.0892	0.00378203
Sentinel-1	S1A_IW_SLC__1SDV_20180321T232745_20180321T232812_021120_0244B5_C58B	2018-03-21	S1A_IW_SLC__1SDV_20180402T232746_20180402T232813_021295_024A3C_2A94	2018-04-02	20180321_20180402	26.1305	0.00428021
Sentinel-1	S1A_IW_SLC__1SDV_20180414T232746_20180414T232813_021470_024FAD_8C5F	2018-04-14	S1A_IW_SLC__1SDV_20180426T232747_20180426T232814_021645_025521_8D33	2018-04-26	20180414_20180426	16.4205	0.00268969
Sentinel-1	S1A_IW_SLC__1SDV_20180508T232747_20180508T232814_021820_025AB0_3032	2018-05-08	S1A_IW_SLC__1SDV_20180520T232748_20180520T232815_021995_026044_E046	2018-05-20	20180508_20180520	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20180613T232750_20180613T232817_022345_026B4C_2DDA	2018-06-13	S1A_IW_SLC__1SDV_20180625T232750_20180625T232817_022520_027070_1852	2018-06-25	20180613_20180625	48.438	0.0079342
Sentinel-1	S1A_IW_SLC__1SDV_20180707T232751_20180707T232818_022695_027589_C3C5	2018-07-07	S1A_IW_SLC__1SDV_20180719T232752_20180719T232819_022870_027AE6_DB8E	2018-07-19	20180707_20180719	14.1994	0.00232587
Sentinel-1	S1A_IW_SLC__1SDV_20180905T232754_20180905T232821_023570_02913D_B46F	2018-09-05	S1A_IW_SLC__1SDV_20180917T232755_20180917T232822_023745_0296D5_DEF5	2018-09-17	20180905_20180917	39.8414	0.00652806
Sentinel-1	S1A_IW_SLC__1SDV_20180929T232755_20180929T232822_023920_029C84_163B	2018-09-29	S1A_IW_SLC__1SDV_20181011T232755_20181011T232823_024095_02A244_A6ED	2018-10-11	20180929_20181011	27.9236	0.00457391
Sentinel-1	S1A_IW_SLC__1SDV_20181023T232755_20181023T232822_024270_02A7F3_9A3B	2018-10-23	S1A_IW_SLC__1SDV_20181104T232755_20181104T232822_024445_02ADE1_5657	2018-11-04	20181023_20181104	41.036	0.00672174
Sentinel-1	S1A_IW_SLC__1SDV_20181128T232754_20181128T232821_024795_02BAAF_5C94	2018-11-28	S1A_IW_SLC__1SDV_20181210T232754_20181210T232821_024970_02C099_2EA2	2018-12-10	20181128_20181210	7.234	0.00118494
Sentinel-1	S1A_IW_SLC__1SDV_20190115T232753_20190115T232820_025495_02D387_CF4C	2019-01-15	S1A_IW_SLC__1SDV_20190127T232752_20190127T232819_025670_02D9F1_8881	2019-01-27	20190115_20190127	13.0499	0.00213759
Sentinel-1	S1A_IW_SLC__1SDV_20190208T232752_20190208T232819_025845_02E03A_1FB1	2019-02-08	S1A_IW_SLC__1SDV_20190220T232752_20190220T232819_026020_02E671_CCB3	2019-02-20	20190208_20190220	23.4206	0.00383632
Sentinel-1	S1A_IW_SLC__1SDV_20190304T232752_20190304T232819_026195_02ECBC_2435	2019-03-04	S1A_IW_SLC__1SDV_20190316T232752_20190316T232819_026370_02F328_3AA1	2019-03-16	20190304_20190316	17.0605	0.00279452
Sentinel-1	S1A_IW_SLC__1SDV_20190421T232753_20190421T232820_026895_030650_70B4	2019-04-21	S1A_IW_SLC__1SDV_20190503T232753_20190503T232820_027070_030CB3_3B6B	2019-05-03	20190421_20190503	3.3689	0.000551829
Sentinel-1	S1A_IW_SLC__1SDV_20190515T232754_20190515T232821_027245_031266_E8DF	2019-05-15	S1A_IW_SLC__1SDV_20190527T232754_20190527T232821_027420_0317DA_7BB3	2019-05-27	20190515_20190527	31.7401	0.00519907
Sentinel-1	S1A_IW_SLC__1SDV_20190702T232757_20190702T232824_027945_0327BA_E87A	2019-07-02	S1A_IW_SLC__1SDV_20190714T232824_028120_032D04_C949	2019-07-14	20190702_20190714	22.2985	0.00365252
Sentinel-1	S1A_IW_SLC__1SDV_20190807T232759_20190807T232826_028470_0337B4_A332	2019-08-07	S1A_IW_SLC__1SDV_20190819T232800_20190819T232827_028645_033DC2_D8FA	2019-08-19	20190807_20190819	29.6087	0.00484993
Sentinel-1	S1A_IW_SLC__1SDV_20190924T232801_20190924T232828_029170_034FEB_45D7	2019-09-24	S1A_IW_SLC__1SDV_20191006T232801_20191006T232828_029345_0355F6_00CD	2019-10-06	20190924_20191006	56.3169	0.00922476
Sentinel-1	S1A_IW_SLC__1SDV_20191217T232800_20191217T232827_030395_037A61_57E3	2019-12-17	S1A_IW_SLC__1SDV_20191229T232800_20191229T232827_030570_038062_375E	2019-12-29	20191217_20191229	44.996	0.00737039
Sentinel-1	S1A_IW_SLC__1SDV_20200110T232759_20200110T232826_030745_038670_2180	2020-01-10	S1A_IW_SLC__1SDV_20200122T232759_20200122T232826_030920_038C97_B1BF	2020-01-22	20200110_20200122	20.5169	0.00336069
Sentinel-1	S1A_IW_SLC__1SDV_20200203T232758_20200203T232825_031095_0392BD_953A	2020-02-03	S1A_IW_SLC__1SDV_20200215T232758_20200215T232825_031270_0398C7_5EF7	2020-02-15	20200203_20200215	13.065	0.00214005
Sentinel-1	S1A_IW_SLC__1SDV_20200322T232758_20200322T232825_031795_03AB06_30FB	2020-03-22	S1A_IW_SLC__1SDV_20200403T232759_20200403T232826_031970_03B12E_8FF2	2020-04-03	20200322_20200403	18.4479	0.00302178
Sentinel-1	S1A_IW_SLC__1SDV_20200415T232759_20200415T232826_032145_03B757_9DEE	2020-04-15	S1A_IW_SLC__1SDV_20200427T232800_20200427T232826_032320_03BD7D_3F1C	2020-04-27	20200415_20200427	9.4669	0.00155068
Sentinel-1	S1A_IW_SLC__1SDV_20200509T232800_20200509T232827_032495_03C361_FD7E	2020-05-09	S1A_IW_SLC__1SDV_20200521T232801_20200521T232828_032670_03C8AB_A085	2020-05-21	20200509_20200521	0	0
Sentinel-1	S1A_IW_SLC__1SDV_20200614T232802_20200614T232829_033020_03D31F_FE58	2020-06-14	S1A_IW_SLC__1SDV_20200626T232803_20200626T232830_033195_03D86F_EA78	2020-06-26	20200614_20200626	19.1632	0.00313895
Sentinel-1	S1A_IW_SLC__1SDV_20200813T232806_20200813T232833_033895_03EE62_7B6C	2020-08-13	S1A_IW_SLC__1SDV_20200825T232807_20200825T232834_034070_03F49A_6EDF	2020-08-25	20200813_20200825	31.4402	0.00514993
Sentinel-1	S1A_IW_SLC__1SDV_20200930T232808_20200930T232835_034595_040718_AE46	2020-09-30	S1A_IW_SLC__1SDV_20201012T232808_20201012T232835_034770_040D2D_7BEA	2020-10-12	20200930_20201012	23.9598	0.00392463
Sentinel-1	S1A_IW_SLC__1SDV_20201024T232808_20201024T232835_034945_041342_C18C	2020-10-24	S1A_IW_SLC__1SDV_20201105T232808_20201105T232835_035120_04193F_4F15	2020-11-05	20201024_20201105	12.4279	0.0020357
Sentinel-1	S1A_IW_SLC__1SDV_20201211T232807_20201211T232834_035645_042B6D_F403	2020-12-11	S1A_IW_SLC__1SDV_20201223T232806_20201223T232833_035820_043175_5682	2020-12-23	20201211_20201223	86.1237	0.0141071
Sentinel-1	S1A_IW_SLC__1SDV_20210128T232805_20210128T232832_036345_0443C5_C46A	2021-01-28	S1A_IW_SLC__1SDV_20210209T232804_20210209T232831_036520_0449D8_25EA	2021-02-09	20210128_20210209	23.6453	0.00387313
Sentinel-1	S1A_IW_SLC__1SDV_20210305T232804_20210305T232831_036870_045603_5A92	2021-03-05	S1A_IW_SLC__1SDV_20210317T232804_20210317T232831_037045_045C25_A23B	2021-03-17	20210305_20210317	13.7484	0.00225199
Sentinel-1	S1A_IW_SLC__1SDV_20210410T232805_20210410T232832_037395_046836_DFF9	2021-04-10	S1A_IW_SLC__1SDV_20210422T232805_20210422T232832_037570_046E47_3752	2021-04-22	20210410_20210422	13.9659	0.00228762
Sentinel-1	S1A_IW_SLC__1SDV_20210516T232806_20210516T232833_037920_0479A8_620A	2021-05-16	S1A_IW_SLC__1SDV_20210528T232807_20210528T232834_038095_047EF3_9A3B	2021-05-28	20210516_20210528	10.3834	0.0017008
Sentinel-1	S1A_IW_SLC__1SDV_20210609T232808_20210609T232835_038270_04841D_41E5	2021-06-09	S1A_IW_SLC__1SDV_20210621T232808_20210621T232835_038445_048959_EE00	2021-06-21	20210609_20210621	4.2276	0.000692486
Sentinel-1	S1A_IW_SLC__1SDV_20210913T232813_20210913T232840_039670_04B0C3_F42B	2021-09-13	S1A_IW_SLC__1SDV_20210925T232813_20210925T232840_039845_04B6AA_3CE2	2021-09-25	20210913_20210925	22.8052	0.00373552
Sentinel-1	S1A_IW_SLC__1SDV_20211007T232814_20211007T232841_040020_04BCB7_E79B	2021-10-07	S1A_IW_SLC__1SDV_20211019T232814_20211019T232841_04				

Table S2a. Interferograms with mapped hydrological barriers - Everglades National Park							
Sensor	Ref Scene	Ref Date	Sec Scene	Sec Date	Date Pair	Barrier Length	Relative Length
Sentinel-1	S1A_IW_SLC__1SDV_20230307T232815_20230307T232843_047545_05B58A_1D7D	2023-03-07	S1A_IW_SLC__1SDV_20230319T232815_20230319T232843_047720_05BB74_7BFA	2023-03-19	20230307_20230319	7.836	0.00128355
Sentinel-1	S1A_IW_SLC__1SDV_20230412T232816_20230412T232844_048070_05C746_B558	2023-04-12	S1A_IW_SLC__1SDV_20230424T232817_20230424T232844_048245_05CD1E_9348	2023-04-24	20230412_20230424	9.6009	0.00157264
Sentinel-1	S1A_IW_SLC__1SDV_20230611T232819_20230611T232847_048945_05E2BB_B4F2	2023-06-11	S1A_IW_SLC__1SDV_20230623T232820_20230623T232839_049120_05E812_3A2E	2023-06-23	20230611_20230623	17.7301	0.00290422
Sentinel-1	S1A_IW_SLC__1SDV_20231126T232823_20231126T232851_051395_0633BD_9605	2023-11-26	S1A_IW_SLC__1SDV_20231208T232823_20231208T232851_051570_0639CB_B5C9	2023-12-08	20231126_20231208	26.9324	0.00441155
Sentinel-1	S1A_IW_SLC__1SDV_20240113T232821_20240113T232849_052095_064BDB_2E01	2024-01-13	S1A_IW_SLC__1SDV_20240125T232821_20240125T232849_052270_0651B7_D300	2024-01-25	20240113_20240125	34.5845	0.00566498
Sentinel-1	S1A_IW_SLC__1SDV_20240301T232821_20240301T232848_052795_06638D_25CF	2024-03-01	S1A_IW_SLC__1SDV_20240313T232821_20240313T232848_052970_066980_95BB	2024-03-13	20240301_20240313		
Sentinel-1	S1A_IW_SLC__1SDV_20240617T232821_20240617T232841_054370_069D58_67DA	2024-06-17	S1A_IW_SLC__1SDV_20240629T232820_20240629T232848_054545_06A36D_CB1B	2024-06-29	20240617_20240629	34.2749	0.00561426
Sentinel-1	S1A_IW_SLC__1SDV_20240711T232820_20240711T232839_054720_06A983_72B7	2024-07-11	S1A_IW_SLC__1SDV_20240723T232819_20240723T232839_054895_06AF98_9FCE	2024-07-23	20240711_20240723	31.4054	0.00514424
Sentinel-1	S1A_IW_SLC__1SDV_20240804T232820_20240804T232847_055070_06B5A1_0B52	2024-08-04	S1A_IW_SLC__1SDV_20240816T232819_20240816T232847_055245_06BC08_BC00	2024-08-16	20240804_20240816	18.2351	0.00298693
Sentinel-1	S1A_IW_SLC__1SDV_20240909T232820_20240909T232848_055595_06C946_3371	2024-09-09	S1A_IW_SLC__1SDV_20240921T232820_20240921T232848_055770_06D026_080A	2024-09-21	20240909_20240921	14.6102	0.00239317
Sentinel-1	S1A_IW_SLC__1SDV_20241003T232821_20241003T232849_055945_06D71D_8EF0	2024-10-03	S1A_IW_SLC__1SDV_20241015T232821_20241015T232849_056120_06DDFA_FE83	2024-10-15	20241003_20241015	30.4714	0.00499125
Sentinel-1	S1A_IW_SLC__1SDV_20250320T232814_20250320T232842_058395_0738A3_9A51	2025-03-20	S1A_IW_SLC__1SDV_20250401T232814_20250401T232842_058570_073FA8_1649	2025-04-01	20250302_20250401	13.4223	0.00219858
Sentinel-1	S1A_IW_SLC__1SDV_20250425T232815_20250425T232842_058920_074DF9_11C0	2025-04-25	S1A_IW_SLC__1SDV_20250507T232814_20250507T232834_059095_0754E7_7F41	2025-05-07	20250425_20250507	7.6829	0.00125847
Sentinel-1	S1A_IW_SLC__1SDV_20250519T232814_20250519T232842_059270_075AEF_6234	2025-05-19	S1A_IW_SLC__1SDV_20250531T232813_20250531T232833_059445_076108_5607	2025-05-31	20250519_20250531	8.7468	0.00143273
Sentinel-1	S1A_IW_SLC__1SDV_20250612T232813_20250612T232841_059620_0766FB_3758	2025-06-12	S1A_IW_SLC__1SDV_20250624T232812_20250624T232832_059795_076D0C_F818	2025-06-24	20250612_20250624	7.851	0.001286
Sentinel-1	S1A_IW_SLC__1SDV_20250706T232811_20250706T232831_059970_07731D_E9B6	2025-07-06	S1A_IW_SLC__1SDV_20250718T232811_20250718T232830_060145_077922_F0F3	2025-07-18	20250706_20250718	7.5552	0.00123755
Sentinel-1	S1A_IW_SLC__1SDV_20250823T232811_20250823T232839_060670_078C7B_04AA	2025-08-23	S1A_IW_SLC__1SDV_20250904T232811_20250904T232839_060845_07936B_AA0D	2025-09-04	20250823_20250904	21.7627	0.00356475
Sentinel-1	S1A_IW_SLC__1SDV_20250904T232811_20250904T232839_060845_07936B_AA0D	2025-09-04	S1A_IW_SLC__1SDV_20250916T232811_20250916T232839_061020_079A6E_0435	2025-09-16	20250904_20250916	21.3198	0.00349221
Sentinel-1	S1A_IW_SLC__1SDV_20251022T232811_20251022T232839_061545_07AF93_A9CC	2025-10-22	S1A_IW_SLC__1SDV_20251103T232811_20251103T232839_061720_07B681_FCC7	2025-11-03	20251022_20251103	27.1578	0.00444847
NISAR	NISAR_L2_PR_GSLC_005_170_D_075_4005_DHDH_A_20251122T000440_20251122T000515_X05010_N_F_J_001	2025-11-22	NISAR_L2_PR_GSLC_006_170_D_075_4005_DHDH_A_20251204T000441_20251204T000515_X05010_N_F_J_001	2025-12-04	20251122_20251204	4.2612	0.000697983
NISAR	NISAR_L2_PR_GSLC_006_170_D_075_4005_DHDH_A_20251204T000441_20251204T000515_X05010_N_F_J_001	2025-12-04	NISAR_L2_PR_GSLC_007_170_D_075_4005_DHDH_A_20251216T000441_20251216T000516_X05010_N_F_J_001	2025-12-16	20251204_20251216	3.9454	0.000646256
NISAR	NISAR_L2_PR_GSLC_007_170_D_075_4005_DHDH_A_20251216T000441_20251216T000516_X05010_N_F_J_001	2025-12-16	NISAR_L2_PR_GSLC_008_170_D_075_4005_DHDH_A_20251228T000442_20251228T000517_X05010_N_F_J_001	2025-12-28	20251216_20251228	17.5836	0.00288021