

**Table S1. Landsat 8 OLI and Sentinel 2-MSI A/B near- simultaneous overpass images used for spectral consistency analysis and band adjustment.**

Location	Landsat OLI					Sentinel-2 MSI					
	Row/Path	Date	Scene Center Time	Solar Azimuth Angle	Solar Zenith Angle	Satellite	Tile ID	Date	Scene Center Time	Solar Azimuth Angle	Solar Zenith Angle
Yangtze River Estuary	118/39	2018/12/17	02:25	156.90	57.35	S-2A	T51RUP	2018/12/17	02:39	160.40	56.19
						S-2A	T51RVP	2018/12/17	02:39	161.48	55.91
Lake Tai Hu	119/38	2017/09/16	02:31	142.36	34.95	S-2A	T51RTQ	2017/09/16	02:45	148.91	32.27
	119/38	2018/02/23	02:30	145.68	48.13	S-2A	T51RTQ	2018/02/23	02:47	150.87	45.52
	119/38	2020/05/03	02:30	124.66	25.05	S-2A	T51RTQ	2020/05/03	02:49	131.76	21.4
Lianyungang Coastal Area	120/36	2017/02/11	02:36	149.82	54.01	S-2A	T50SQD	2017/02/11	02:51	156.05	52.02
	120/36	2018/04/19	02:35	135.45	30.43	S-2B	T51STU	2018/04/19	02:47	141.86	28.44
Hongze Lake Gaoyou Lake	120/37	2017/10/09	02:37	152.84	43.13	S-2A	T50SPB	2017/10/09	02:57	159.40	41.27
						S-2A	T50SPC	2017/10/09	02:57	159.69	42.13
						S-2A	T50SQB	2017/10/09	02:57	160.93	40.96
	120/37	2018/04/19	02:36	133.21	29.6	S-2B	T50SQB	2018/04/19	02:47	138.86	27.30
	120/37	2018/06/06	02:35	113.68	21.63	S-2A	T50SPB	2018/06/06	02:55	121.44	17.69
						S-2A	T50SPC	2018/06/06	02:55	123.70	18.21
						S-2A	T50SQB	2018/06/06	02:55	123.50	16.93
Chaohu Lake	121/38	2019/11/23	02:43	158.92	54.87	S-2B	T50RNV	2019/11/23	02:50	163.31	53.16
						S-2B	T50SNA	2019/11/23	02:58	163.44	54.04
Poyang Lake	121/40	2017/11/01	02:44	155.45	46.77	S-2A	T50RMT	2017/11/01	03:07	163.63	45.28
	121/40	2018/04/10	02:43	129.75	30.08	S-2A	T50RMT	2018/04/10	03:04	141.06	26.39
Hong Kong Coastal area	121/45	2016/12/16	02:46	152.73	50.04	S-2A	T49QHE	2016/12/16	03:11	159.44	48.17
Dianchi Lake	129/43	2018/04/02	03:34	126.31	30.47	S-2A	T48RTN	2018/04/02	03:38	132.01	28.00
	129/43	2019/02/16	03:34	141.83	45.28	S-2A	T48RTN	2019/02/16	03:51	146.19	43.54
Qinghai Lake	133/34	2019/11/27	03:56	161.40	60.77	S-2B	T47SPA	2019/11/27	04:18	167.31	58.63
Ulungur Lake	144/27	2018/10/04	05:01	161.06	53.47	S-2B	T45TWN	2018/10/04	05:20	169.75	52.18
Ebinur Lake	146/29	2017/08/28	05:14	148.98	38.65	S-2A	T44TPQ	2017/08/28	05:30	157.87	36.83
	146/29	2018/07/14	05:13	137.08	28.43	S-2A	T44TPQ	2018/07/14	05:33	148.00	25.84
	146/29	2019/04/12	05:13	149.45	39.68	S-2B	T44TPQ	2019/04/12	05:26	154.65	38.52

**Table S2. Landsat-8 OLI and Sentinel 2-MSI A/B images used for Total suspended solids (TSS) time series analysis over Hong Kong.**

Satellite: Landsat-8	
Sr #	Image ID
1	LC08_L1TP_121045_20130919_20170502_01_T1
2	LC08_L1TP_121045_20131005_20170429_01_T1
3	LC08_L1TP_122044_20131028_20170429_01_T1
4	LC08_L1TP_122044_20131129_20170428_01_T1
5	LC08_L1TP_122044_20131231_20170427_01_T1
6	LC08_L1TP_122044_20140116_20170426_01_T1
7	LC08_L1TP_121045_20140704_20170421_01_T1
8	LC08_L1TP_121045_20140906_20170419_01_T1
9	LC08_L1TP_122044_20140929_20170418_01_T1
10	LC08_L1TP_121045_20141008_20180205_01_T1
11	LC08_L1TP_122044_20141015_20170418_01_T1
12	LC08_L1TP_122044_20141116_20170417_01_T1
13	LC08_L1TP_121045_20141125_20170417_01_T1
14	LC08_L1TP_122044_20150103_20170415_01_T1
15	LC08_L1TP_122044_20150119_20170413_01_T1
16	LC08_L1TP_121045_20150213_20170413_01_T1
17	LC08_L1TP_121045_20150707_20170407_01_T1
18	LC08_L1TP_121045_20150808_20170406_01_T1
19	LC08_L1TP_121045_20150824_20170405_01_T1
20	LC08_L1TP_121045_20150909_20170404_01_T1
21	LC08_L1TP_121045_20150925_20170403_01_T1
22	LC08_L1TP_122044_20151018_20170403_01_T1
23	LC08_L1TP_121045_20151027_20170402_01_T1
24	LC08_L1TP_122044_20151119_20170401_01_T1
25	LC08_L1TP_121045_20151128_20170401_01_T1
26	LC08_L1TP_122044_20160106_20170404_01_T1
27	LC08_L1TP_122044_20160207_20170330_01_T1
28	LC08_L1TP_121045_20160303_20170328_01_T1
29	LC08_L1TP_122044_20160326_20170327_01_T1
30	LC08_L1TP_121045_20160522_20170324_01_T1
31	LC08_L1TP_121045_20160623_20170323_01_T1
32	LC08_L1TP_121045_20160725_20180205_01_T1
33	LC08_L1TP_121045_20160826_20170322_01_T1
34	LC08_L1TP_121045_20160927_20170320_01_T1
35	LC08_L1TP_122044_20161105_20170318_01_T1
36	LC08_L1TP_121045_20161114_20170318_01_T1
37	LC08_L1TP_122044_20161207_20170317_01_T1
38	LC08_L1TP_121045_20161216_20180205_01_T1
39	LC08_L1TP_122044_20170108_20170311_01_T1
40	LC08_L1TP_122044_20170209_20170217_01_T1
41	LC08_L1TP_121045_20170218_20170228_01_T1

42	LC08_L1TP_121045_20170407_20170414_01_T1
43	LC08_L1TP_121045_20170610_20170616_01_T1
44	LC08_L1TP_121045_20170829_20170914_01_T1
45	LC08_L1TP_121045_20170914_20170928_01_T1
46	LC08_L1TP_122044_20171023_20171107_01_T1
47	LC08_L1TP_121045_20171101_20171109_01_T1
48	LC08_L1TP_121045_20171117_20171122_01_T1
49	LC08_L1TP_121045_20171203_20171207_01_T1
50	LC08_L1TP_122044_20171210_20171223_01_T1
51	LC08_L1TP_121045_20171219_20171224_01_T1
52	LC08_L1TP_122044_20180111_20180119_01_T1
53	LC08_L1TP_122044_20180212_20180222_01_T1
54	LC08_L1TP_121045_20180309_20180320_01_T1
55	LC08_L1TP_121045_20180410_20180417_01_T1
56	LC08_L1TP_121045_20180528_20180605_01_T1
57	LC08_L1TP_121045_20181003_20181010_01_T1
58	LC08_L1TP_122044_20181026_20181114_01_T1
Satellite: Sentinel-2 A	
Sr #	Image ID
1	S2A_MSIL1C_20151122T030012_N0204_R032_T49QHE_20151122T031003.SAFE
2	S2A_MSIL1C_20151129T030132_N0204_R132_T49QHE_20151129T030135.SAFE
3	S2A_MSIL1C_20161027T025812_N0204_R032_T49QHE_20161027T030825.SAFE
4	S2A_MSIL1C_20161213T025122_N0204_R132_T49QHE_20161213T025452.SAFE
5	S2A_MSIL1C_20161226T030122_N0204_R032_T49QHE_20161226T031105.SAFE
6	S2A_MSIL1C_20170125T031131_N0204_R032_T49QHE_20170125T031125.SAFE
7	S2A_MSIL1C_20170204T025911_N0204_R032_T49QHE_20170204T030840.SAFE
8	S2A_MSIL1C_20170211T024831_N0204_R132_T49QHE_20170211T030102.SAFE
9	S2A_MSIL1C_20170214T025811_N0204_R032_T49QHE_20170214T030309.SAFE
10	S2A_MSIL1C_20170303T030131_N0204_R132_T49QHE_20170303T030130.SAFE
11	S2A_MSIL1C_20170402T024541_N0204_R132_T50QKK_20170402T025302.SAFE
12	S2A_MSIL1C_20170820T024551_N0205_R132_T49QHE_20170820T025553.SAFE
13	S2A_MSIL1C_20170830T030141_N0205_R132_T49QHE_20170830T030137.SAFE
14	S2A_MSIL1C_20171009T030141_N0205_R132_T49QHE_20171009T030135.SAFE
15	S2A_MSIL1C_20171012T025641_N0205_R032_T49QHE_20171012T030305.SAFE
16	S2A_MSIL1C_20171022T031131_N0205_R032_T49QHE_20171022T031132.SAFE
17	S2A_MSIL1C_20171029T030141_N0206_R132_T49QHE_20171029T061656.SAFE
18	S2A_MSIL1C_20171101T025841_N0206_R032_T49QHE_20171101T081621.SAFE
19	S2A_MSIL1C_20171201T031131_N0206_R032_T49QHE_20171201T063008.SAFE
20	S2A_MSIL1C_20171208T030131_N0206_R132_T49QHE_20171208T043254.SAFE
21	S2A_MSIL1C_20171211T030121_N0206_R032_T49QHE_20171211T081928.SAFE
22	S2A_MSIL1C_20171218T025121_N0206_R132_T49QHE_20171218T081023.SAFE
23	S2A_MSIL1C_20180206T030131_N0206_R132_T49QHE_20180206T061829.SAFE
24	S2A_MSIL1C_20180311T025541_N0206_R032_T49QHE_20180311T072620.SAFE
25	S2A_MSIL1C_20180520T025551_N0206_R032_T49QHE_20180520T055054.SAFE
26	S2A_MSIL1C_20181004T024541_N0206_R132_T49QHE_20181004T055531.SAFE
27	S2A_MSIL1C_20181007T025601_N0206_R032_T49QGE_20181007T060436.SAFE

28	
29	S2A_MSIL1C_20181106T025911_N0207_R032_T49QHE_20181106T060119
Satellite: Sentinel-2 B	
Sr #	Image ID
1	S2B_MSIL1C_20170726T030139_N0205_R132_T49QHE_20170726T030136.SAFE
2	S2B_MSIL1C_20170815T030139_N0205_R132_T49QHE_20170815T030134.SAFE
3	S2B_MSIL1C_20170927T031119_N0205_R032_T49QHE_20170927T031118.SAFE
4	S2B_MSIL1C_20171024T024739_N0206_R132_T49QHE_20171024T080627.SAFE
5	S2B_MSIL1C_20171027T025809_N0206_R032_T49QHE_20171027T081633.SAFE
6	S2B_MSIL1C_20171116T025949_N0206_R032_T49QHE_20171117T164022.SAFE
7	S2B_MSIL1C_20171103T024839_N0206_R132_T49QHE_20171108T104817.SAFE
8	S2B_MSIL1C_20171206T030059_N0206_R032_T49QHE_20171206T081708.SAFE
9	S2B_MSIL1C_20180112T025049_N0206_R132_T49QHE_20180112T081030.SAFE
10	S2B_MSIL1C_20180115T030049_N0206_R032_T49QHE_20180115T081848.SAFE
11	S2B_MSIL1C_20180313T024539_N0206_R132_T49QHE_20180313T062237.SAFE
12	S2B_MSIL1C_20180919T024539_N0206_R132_T49QHE_20180919T062444.SAFE
13	S2B_MSIL1C_20181002T025539_N0206_R032_T49QHE_20181002T063512.SAFE

**Table S3. Landsat-8 OLI and Sentinel 2-MSI A/B images used for Total suspended solids (TSS) time series analysis over Lake Chaohu.**

Satellite: Landsat-8	
Sr #	Image ID
1	LC08_L1TP_121038_20130428_20170505_01_T1
2	LC08_L1TP_121038_20130514_20170504_01_T1
3	LC08_L1TP_121038_20130615_20170503_01_T1
4	LC08_L1TP_121038_20130701_20170503_01_T1
5	LC08_L1TP_121038_20130802_20170503_01_T1
6	LC08_L1TP_121038_20130818_20170503_01_T1
7	LC08_L1TP_121038_20130903_20170502_01_T1
8	LC08_L1TP_121038_20130919_20170502_01_T1
9	LC08_L1TP_121038_20131005_20170429_01_T1
10	LC08_L1TP_121038_20131021_20170429_01_T1
11	LC08_L1TP_121038_20131106_20170428_01_T1
12	LC08_L1TP_121038_20131122_20170428_01_T1
13	LC08_L1TP_121038_20140210_20170426_01_T1
14	LC08_L1TP_121038_20131106_20170428_01_T1
15	LC08_L1TP_121038_20140501_20170423_01_T1
16	LC08_L1TP_121038_20140720_20170421_01_T1
17	LC08_L1TP_121038_20140805_20170420_01_T1
18	LC08_L1TP_121038_20140821_20170420_01_T1
19	LC08_L1TP_121038_20140906_20170419_01_T1
20	LC08_L1TP_121038_20140922_20170419_01_T1
21	LC08_L1TP_121038_20141008_20180205_01_T1
22	LC08_L1TP_121038_20141024_20170418_01_T1

23	LC08_L1TP_121038_20141227_20170415_01_T1
24	LC08_L1TP_121038_20150213_20170413_01_T1
25	LC08_L1TP_121038_20150301_20170412_01_T1
26	LC08_L1TP_121038_20150824_20170405_01_T1
27	LC08_L1TP_121038_20151011_20170403_01_T1
28	LC08_L1TP_121038_20151027_20170402_01_T1
29	LC08_L1TP_121038_20160115_20170405_01_T1
30	LC08_L1TP_121038_20160506_20180205_01_T1
31	LC08_L1TP_121038_20160623_20170323_01_T1
32	LC08_L1TP_121038_20160709_20170323_01_T1
33	LC08_L1TP_121038_20160725_20180205_01_T1
34	LC08_L1TP_121038_20160810_20170322_01_T1
35	LC08_L1TP_121038_20160927_20170320_01_T1
36	LC08_L1TP_121038_20161114_20170318_01_T1
37	LC08_L1TP_121038_20161216_20180205_01_T1
38	LC08_L1TP_121038_20170101_20170312_01_T1
39	LC08_L1TP_121038_20170218_20170228_01_T1
40	LC08_L1TP_121038_20170423_20170502_01_T1
41	LC08_L1TP_121038_20170509_20170516_01_T1
42	LC08_L1TP_121038_20170525_20170614_01_T1
43	LC08_L1TP_121038_20170728_20170810_01_T1
44	LC08_L1TP_121038_20171101_20171109_01_T1
45	LC08_L1TP_121038_20171203_20171207_01_T1
46	LC08_L1TP_121038_20171219_20171224_01_T1
47	LC08_L1TP_121038_20180309_20180320_01_T1
48	LC08_L1TP_121038_20180410_20180417_01_T1
49	LC08_L1TP_121038_20180613_20180615_01_T1
50	LC08_L1TP_121038_20180629_20180716_01_T1
51	LC08_L1TP_121038_20180731_20180814_01_T1
52	LC08_L1TP_121038_20181003_20181010_01_T1
53	LC08_L1TP_121038_20181120_20181129_01_T1
Satellite: Sentinel-2 A	
Sr #	Image ID
1	S2A_MSIL1C_20160616T024552_N0204_R132_T50RNV_20160616T025728.SAFE
2	S2A_MSIL1C_20160726T024552_N0204_R132_T50RNV_20160726T025328.SAFE
3	S2A_MSIL1C_20160815T024552_N0204_R132_T50RNV_20160815T025537.SAFE
4	S2A_MSIL1C_20161103T024852_N0204_R132_T50RNV_20161103T025456.SAFE
5	S2A_MSIL1C_20170211T024831_N0204_R132_T50RNV_20170211T025103.SAFE
6	S2A_MSIL1C_20170422T024551_N0204_R132_T50RNV_20170422T025553.SAFE
7	S2A_MSIL1C_20170711T024551_N0205_R132_T50RNV_20170711T025552.SAFE
8	S2A_MSIL1C_20170731T024551_N0205_R132_T50RNV_20170731T025553.SAFE
9	S2A_MSIL1C_20171009T025721_N0205_R132_T50RNV_20171009T025721.SAFE
10	S2A_MSIL1C_20171218T025121_N0206_R132_T50RNV_20171218T062338.SAFE
11	S2A_MSIL1C_20180226T024651_N0206_R132_T50RNV_20180226T053705.SAFE
12	S2A_MSIL1C_20180328T024651_N0206_R132_T50RNV_20180328T080726.SAFE
13	S2A_MSIL1C_20180407T024551_N0206_R132_T50RNV_20180407T054634.SAFE

14	S2A_MSIL1C_20180417T024551_N0206_R132_T50RNV_20180417T062318.SAFE
15	S2A_MSIL1C_20180606T024651_N0206_R132_T50RNV_20180606T062402.SAFE
16	S2A_MSIL1C_20180716T024551_N0206_R132_T50RNV_20180716T053144.SAFE
17	S2A_MSIL1C_20180805T024551_N0206_R132_T50RNV_20180805T054920.SAFE
18	S2A_MSIL1C_20180815T024551_N0206_R132_T50RNV_20180815T074027.SAFE
19	S2A_MSIL1C_20180904T024541_N0206_R132_T50RNV_20180904T053814.SAFE
20	S2A_MSIL1C_20180914T024541_N0206_R132_T50RNV_20180914T053307.SAFE
21	S2A_MSIL1C_20181004T024541_N0206_R132_T50RNV_20181004T055531.SAFE
22	S2A_MSIL1C_20181024T024751_N0206_R132_T50RNV_20181024T073519.SAFE
23	S2A_MSIL1C_20181103T024851_N0206_R132_T50RNV_20181103T043809.SAFE
24	S2A_MSIL1C_20181113T024941_N0207_R132_T50RNV_20181113T043656.SAFE
25	S2A_MSIL1C_20181123T025021_N0207_R132_T50RNV_20181123T062205.SAFE
26	S2A_MSIL1C_20181213T025111_N0207_R132_T50RNV_20181213T043625.SAFE
27	S2A_MSIL1C_20181223T025121_N0207_R132_T50RNV_20181223T043638.SAFE
Satellite: Sentinel-2 B	
Sr #	Image ID
1	S2B_MSIL1C_20170805T024549_N0205_R132_T50RNV_20170805T025732.SAFE
2	S2B_MSIL1C_20170825T024539_N0205_R132_T50RNV_20170825T025536.SAFE
3	S2B_MSIL1C_20171024T024739_N0206_R132_T50RNV_20171024T080627.SAFE
4	S2B_MSIL1C_20171123T025009_N0206_R132_T50RNV_20171123T073353.SAFE
5	S2B_MSIL1C_20180112T025049_N0206_R132_T50RNV_20180112T062213.SAFE
6	S2B_MSIL1C_20180313T024539_N0206_R132_T50RNV_20180313T062237.SAFE
7	S2B_MSIL1C_20180402T024539_N0206_R132_T50RNV_20180402T054145.SAFE
8	S2B_MSIL1C_20180601T024539_N0206_R132_T50RNV_20180601T053658.SAFE
9	S2B_MSIL1C_20180611T024549_N0206_R132_T50RNV_20180611T062255.SAFE
10	S2B_MSIL1C_20180731T024539_N0206_R132_T50RNV_20180731T052239.SAFE
11	S2B_MSIL1C_20180810T024539_N0206_R132_T50RNV_20180810T053506.SAFE
12	S2B_MSIL1C_20180830T024539_N0206_R132_T50RNV_20180830T052553.SAFE
13	S2B_MSIL1C_20180909T024539_N0206_R132_T50RNV_20180909T062442.SAFE
14	S2B_MSIL1C_20180919T024539_N0206_R132_T50RNV_20180919T062444.SAFE
15	S2B_MSIL1C_20180929T024539_N0206_R132_T50RNV_20180929T062221.SAFE
16	S2B_MSIL1C_20181029T024819_N0206_R132_T50RNV_20181029T052535.SAFE
17	S2B_MSIL1C_20181128T025039_N0207_R132_T50RNV_20181128T062134.SAFE
18	S2B_MSIL1C_20181218T025119_N0207_R132_T50RNV_20181218T043534.SAFE

**Table S4. Landsat-8 OLI and Sentinel 2-MSI A/B images used for floating algal area comparison.**

Location	Landsat OLI					Sentinel-2 MSI					
	Row/Path	Date	Scene Center Time	Solar Azimuth Angle	Solar Zenith Angle	Satellite	Tile ID	Date	Scene Center Time	Solar Azimuth Angle	Solar Zenith Angle
Lake Tai Hu	119/38	2020/05/30	02:30	124.66	25.05	S-2A	T51RTQ	2020/05/30	02:49	131.76	21.4
Chaohu Lake	121/38	2019/11/23	02:43	158.92	54.87	S-2B	T50RNV	2019/11/23	02:50	163.31	53.16
						S-2B	T50SNA	2019/11/23	02:58	163.44	54.04
Dian lake	129/43	2018/04/02	03:34	126.31	30.47	S-2A	T48RTN	2018/04/02	03:38	132.01	28.00
Ebinur Lake	146/29	2019/04/12	05:13	149.45	39.68	S-2B	T44TPQ	2019/04/12	05:26	154.65	38.52

**Table S5. Landsat-8 OLI and Sentinel 2-MSI A/B images used for floating algal bloom tracking over the Yellow Sea.**

Sr. #	Date	Sensor	Image ID
1	2019/6/2	Landsat-8	LC08_L1TP_119036_20190602_20190605_01_T1
2	2019/6/2	Landsat-8	LC08_L1TP_119035_20190602_20190605_01_T1
3	2019/6/8	Sentinel-2A	S2A_MSIL1C_20190608T023551_N0207_R089_T51STU_20190608T053558
4	2019/6/8	Sentinel-2A	S2A_MSIL1C_20190608T023551_N0207_R089_T51SUS_20190608T053558
5	2019/6/8	Sentinel-2A	S2A_MSIL1C_20190608T023551_N0207_R089_T51SUT_20190608T053558
6	2019/6/8	Sentinel-2A	S2A_MSIL1C_20190608T023551_N0207_R089_T51SUU_20190608T053558
7	2019/6/8	Sentinel-2A	S2A_MSIL1C_20190608T023551_N0207_R089_T51SUV_20190608T053558
8	2019/6/8	Sentinel-2A	S2A_MSIL1C_20190608T023551_N0207_R089_T51SVT_20190608T053558
9	2019/6/8	Sentinel-2A	S2A_MSIL1C_20190608T023551_N0207_R089_T51STT_20190608T053558
10	2019/6/8	Sentinel-2A	S2A_MSIL2A_20190608T023551_N0212_R089_T51STV_20190608T061511
11	2019/6/11	Landsat-8	LC08_L1GT_118036_20190611_20190619_01_T2
12	2019/6/11	Landsat-8	LC08_L1GT_118037_20190611_20190619_01_T2
13	2019/6/11	Sentinel-2A	S2A_MSIL1C_20190611T024551_N0207_R132_T50SQD_20190611T052620
14	2019/6/11	Sentinel-2A	S2A_MSIL1C_20190611T024551_N0207_R132_T51STA_20190611T043627

15	2019/6/11	Sentinel-2A	S2A_MSIL1C_20190611T024551_N0207_R132_T51STU_20190611T052620
16	2019/6/11	Sentinel-2A	S2A_MSIL1C_20190611T024551_N0207_R132_T51STV_20190611T043627
17	2019/6/13	Sentinel-2B	S2B_MSIL1C_20190613T023559_N0207_R089_T51STV_20190613T042509
18	2019/6/13	Sentinel-2B	S2B_MSIL1C_20190613T023559_N0207_R089_T51SUA_20190613T042509
19	2019/6/13	Sentinel-2B	S2B_MSIL1C_20190613T023559_N0207_R089_T51SUV_20190613T042509
20	2019/6/13	Sentinel-2B	S2B_MSIL1C_20190613T023559_N0207_R089_T51SVA_20190613T042509
21	2019/6/13	Sentinel-2B	S2B_MSIL1C_20190613T023559_N0207_R089_T51SVV_20190613T042509
22	2019/6/13	Sentinel-2B	S2B_MSIL1C_20190613T023559_N0207_R089_T51SWA_20190613T042509
23	2019/6/18	Landsat-8	LC08_L1TP_119035_20190618_20190703_01_T1
24	2019/6/18	Landsat-8	LC08_L1GT_119036_20190618_20190703_01_T2
25	2019/6/18	Sentinel-2A	S2A_MSIL1C_20190618T023551_N0207_R089_T51STA_20190618T042557
26	2019/6/18	Sentinel-2A	S2A_MSIL1C_20190618T023551_N0207_R089_T51STU_20190618T042557
27	2019/6/18	Sentinel-2A	S2A_MSIL1C_20190618T023551_N0207_R089_T51STV_20190618T042557
28	2019/6/18	Sentinel-2A	S2A_MSIL1C_20190618T023551_N0207_R089_T51SUA_20190618T042557
29	2019/6/18	Sentinel-2A	S2A_MSIL1C_20190618T023551_N0207_R089_T51SUU_20190618T042557
30	2019/6/18	Sentinel-2A	S2A_MSIL1C_20190618T023551_N0207_R089_T51SUV_20190618T042557
31	2019/6/18	Sentinel-2A	S2A_MSIL1C_20190618T023551_N0207_R089_T51SVA_20190618T042557
32	2019/6/18	Sentinel-2A	S2A_MSIL1C_20190618T023551_N0207_R089_T51SVV_20190618T042557
33	2019/6/18	Sentinel-2A	S2A_MSIL1C_20190618T023551_N0207_R089_T51SWV_20190618T042557
34	2019/6/23	Sentinel-2B	S2B_MSIL1C_20190623T023559_N0207_R089_T51STU_20190705T221722
35	2019/6/23	Sentinel-2B	S2B_MSIL1C_20190623T023559_N0207_R089_T51SVV_20190705T221722
36	2019/6/23	Sentinel-2B	S2B_MSIL1C_20190623T023559_N0207_R089_T51SVU_20190705T221722
37	2019/6/23	Sentinel-2B	S2B_MSIL1C_20190623T023559_N0207_R089_T51SUT_20190705T221722
38	2019/6/23	Sentinel-2B	S2B_MSIL1C_20190623T023559_N0207_R089_T51SUU_20190705T221722
39	2019/6/23	Sentinel-2B	S2B_MSIL1C_20190623T023559_N0207_R089_T51SUV_20190705T221722
40	2019/6/23	Sentinel-2B	S2B_MSIL1C_20190623T023559_N0207_R089_T51SVT_20190705T221722
41	2019/6/23	Sentinel-2B	S2B_MSIL1C_20190623T023559_N0207_R089_T51STV_20190705T221722
42	2019/6/23	Sentinel-2B	S2B_MSIL1C_20190623T023559_N0207_R089_T51STA_20190705T221722
43	2019/6/23	Sentinel-2B	S2B_MSIL1C_20190623T023559_N0207_R089_T51SVA_20190705T221722
44	2019/6/23	Sentinel-2B	S2B_MSIL1C_20190623T023559_N0207_R089_T51SUS_20190705T221722
45	2019/6/23	Sentinel-2B	S2B_MSIL1C_20190623T023559_N0207_R089_T51SUA_20190705T221722
46	2019/6/23	Sentinel-2B	S2B_MSIL1C_20190623T023559_N0207_R089_T51STT_20190705T221722
47	2019/7/3	Sentinel-2B	S2B_MSIL1C_20190703T023559_N0207_R089_T51STA_20190703T061035



48	2019/7/3	Sentinel-2B	S2B_MSIL1C_20190703T023559_N0207_R089_T51STU_20190703T061035
49	2019/7/3	Sentinel-2B	S2B_MSIL1C_20190703T023559_N0207_R089_T51STV_20190703T061035
50	2019/7/3	Sentinel-2B	S2B_MSIL1C_20190703T023559_N0207_R089_T51SUA_20190703T061035
51	2019/7/3	Sentinel-2B	S2B_MSIL1C_20190703T023559_N0207_R089_T51SUU_20190703T061035
52	2019/7/3	Sentinel-2B	S2B_MSIL1C_20190703T023559_N0207_R089_T51SUV_20190703T061035
54	2019/7/3	Sentinel-2B	S2B_MSIL1C_20190703T023559_N0207_R089_T51SVA_20190703T061035
53	2019/7/3	Sentinel-2B	S2B_MSIL1C_20190703T023559_N0207_R089_T51SVU_20190703T061035
54	2019/7/4	Landsat-8	LC08_L1TP_119035_20190704_20190718_01_T1
55	2019/7/4	Landsat-8	LC08_L1TP_119034_20190704_20190718_01_T1
56	2019/7/8	Sentinel-2A	S2A_MSIL1C_20190708T023551_N0207_R089_T51STV_20190708T053409
57	2019/7/8	Sentinel-2A	S2A_MSIL1C_20190708T023551_N0207_R089_T51SUA_20190708T053409
58	2019/7/8	Sentinel-2A	S2A_MSIL1C_20190708T023551_N0207_R089_T51SUU_20190708T053409
59	2019/7/8	Sentinel-2A	S2A_MSIL1C_20190708T023551_N0207_R089_T51SUV_20190708T053409
60	2019/7/8	Sentinel-2A	S2A_MSIL1C_20190708T023551_N0207_R089_T51SVA_20190708T053409
61	2019/7/8	Sentinel-2A	S2A_MSIL1C_20190708T023551_N0207_R089_T51SVT_20190708T053409
62	2019/7/8	Sentinel-2A	S2A_MSIL1C_20190708T023551_N0207_R089_T51SVU_20190708T053409
63	2019/7/8	Sentinel-2A	S2A_MSIL1C_20190708T023551_N0207_R089_T51SVV_20190708T053409
64	2019/7/11	Landsat-8	LC08_L1TP_120036_20190711_20190719_01_T1
65	2019/7/11	Landsat-8	LC08_L1TP_120035_20190711_20190719_01_T1
66	2019/7/13	Sentinel-2B	S2B_MSIL1C_20190713T023559_N0208_R089_T50SQD_20190713T042513
67	2019/7/13	Sentinel-2B	S2B_MSIL1C_20190713T023559_N0208_R089_T51STA_20190713T042513
68	2019/7/13	Sentinel-2B	S2B_MSIL1C_20190713T023559_N0208_R089_T51STT_20190713T042513
69	2019/7/13	Sentinel-2B	S2B_MSIL1C_20190713T023559_N0208_R089_T51STU_20190713T042513
70	2019/7/13	Sentinel-2B	S2B_MSIL1C_20190713T023559_N0208_R089_T51STV_20190713T042513
71	2019/7/13	Sentinel-2B	S2B_MSIL1C_20190713T023559_N0208_R089_T51SUA_20190713T042513
72	2019/7/13	Sentinel-2B	S2B_MSIL1C_20190713T023559_N0208_R089_T51SUT_20190713T042513
73	2019/7/13	Sentinel-2B	S2B_MSIL1C_20190713T023559_N0208_R089_T51SUU_20190713T042513
74	2019/7/13	Sentinel-2B	S2B_MSIL1C_20190713T023559_N0208_R089_T51SUV_20190713T042513
75	2019/7/13	Sentinel-2B	S2B_MSIL1C_20190713T023559_N0208_R089_T51SVA_20190713T042513
76	2019/7/20	Landsat-8	LC08_L1TP_119036_20190720_20190731_01_T2
78	2019/7/20	Landsat-8	LC08_L1TP_119035_20190720_20190731_01_T1
79	2019/7/26	Sentinel-2B	S2B_MSIL1C_20190726T024559_N0208_R132_T50SQE_20190726T053202
80	2019/7/26	Sentinel-2B	S2B_MSIL1C_20190726T024559_N0208_R132_T50SQF_20190726T053202

81	2019/7/26	Sentinel-2B	S2B_MSIL1C_20190726T024559_N0208_R132_T51STA_20190726T053202
82	2019/7/26	Sentinel-2B	S2B_MSIL1C_20190726T024559_N0208_R132_T51STV_20190726T053202
83	2019/7/26	Sentinel-2B	S2B_MSIL1C_20190726T024559_N0208_R132_T51SUA_20190726T053202

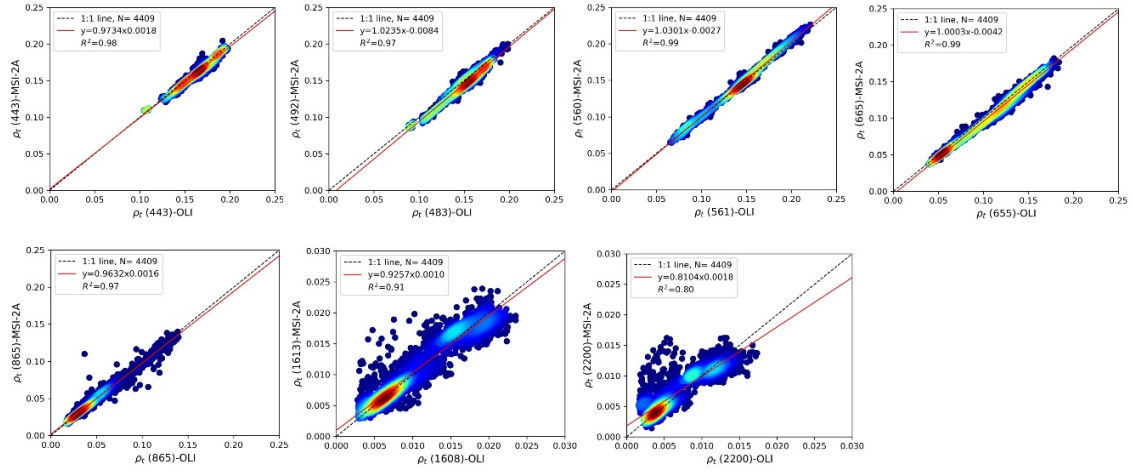


Figure S1. Inter-comparison of Top of atmosphere reflectance ( $\rho_t$ ) for OLI – MSI-A pairs.

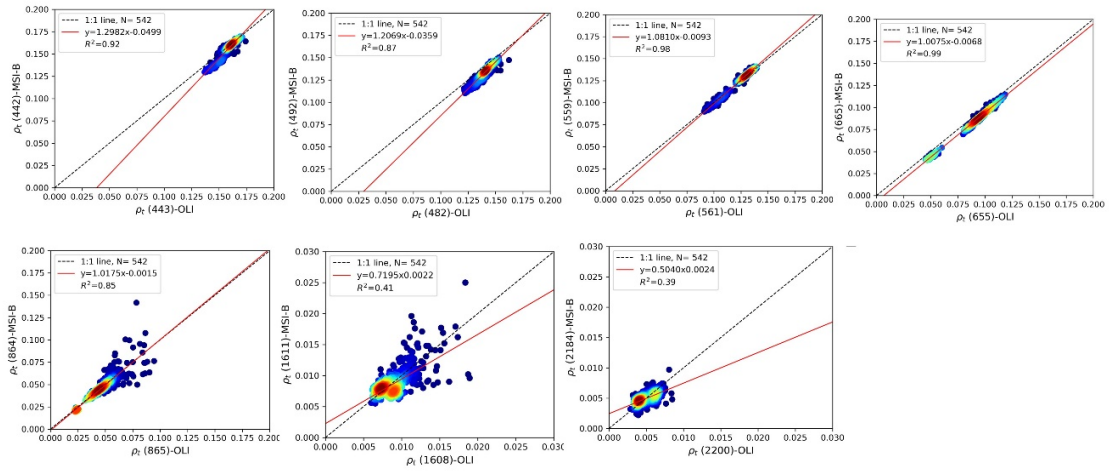


Figure S2. Inter-comparison of Top of atmosphere reflectance ( $\rho_t$ ) for OLI – MSI-B pairs.

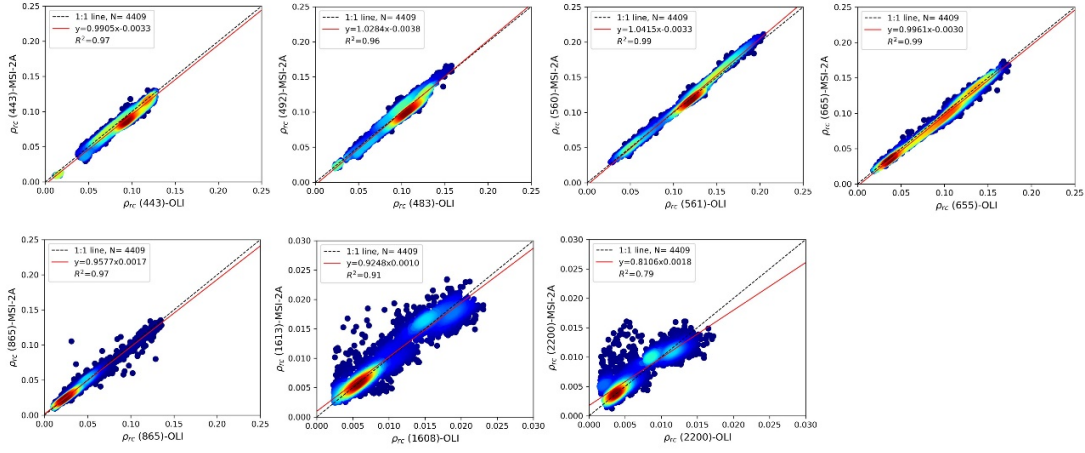


Figure S3. Inter-comparison of Rayleigh corrected reflectance ( $\rho_{rc}$ ) for OLI – MSI-A pairs.

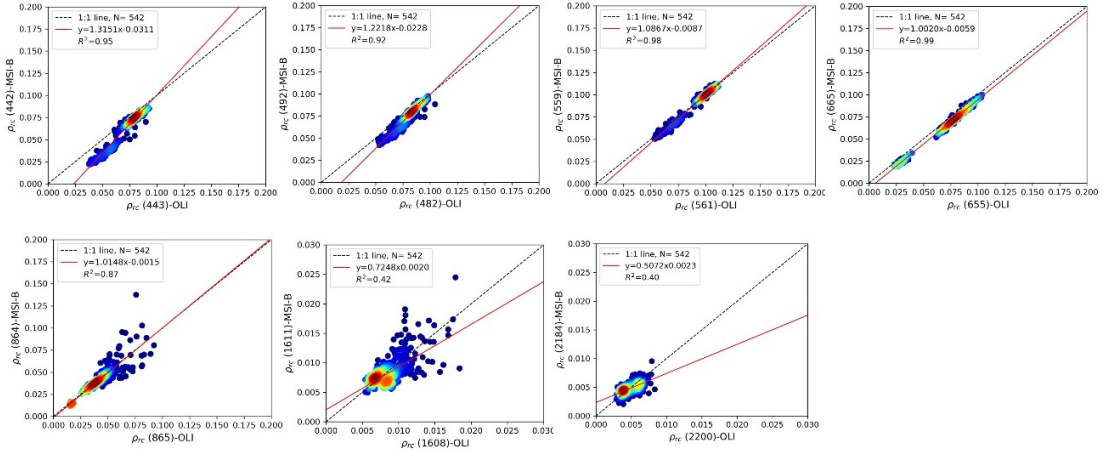


Figure S4. Inter-comparison of Rayleigh corrected reflectance ( $\rho_{rc}$ ) for OLI – MSI-B pairs.

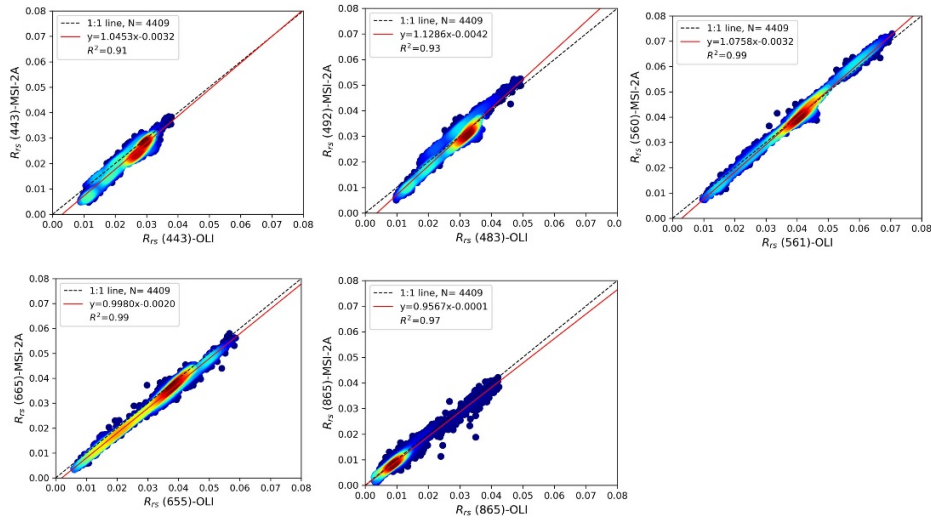


Figure S5. Inter-comparison of remote sensing reflectance ( $R_{rs}$ ) for OLI – MSI-A pairs.

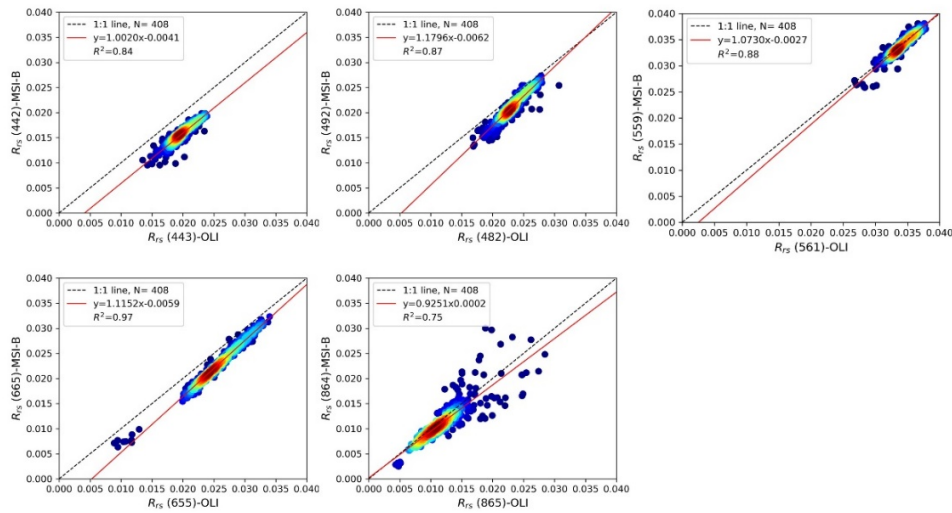


Figure S6. Inter-comparison of remote sensing reflectance ( $R_{rs}$ ) for OLI – MSI-B pairs.