

Supplementary Material 1

1. Description of the material used in Supplementary Material 2 (video): Evolution of the YLF area between August 26th, 2004 and December 3rd 2005.

The Landsat-7 image composites show bands 8 (red), 7 (green) and 5 (blue), and the ASTER image composites show band 1 (red), 6 (green) and 4 (blue). The image IDs are:

Date	Scene ID (Landsat-7)/Local granule ID (ASTER)
2004-08-26	LE71680502004239ASN01
2004-09-11	LE71680502004255ASN01
2004-09-27	LE71680502004271ASN01
2004-10-13	LE71680502004287ASN01
2004-11-14	LE71680502004319ASN00
2005-01-01	LE71680502005001PFS00
2005-01-17	LE71680502005017ASN00
2005-02-02	LE71680502005033ASN00
2005-02-18	LE71680502005049ASN00
2005-04-07	AST_L1T_00304072005075551_20150508235844_19664 and AST_L1T_00304072005075600_20150508235850_118442
2005-04-23	AST_L1T_00304232005075553_20150509044713_121936 and AST_L1T_00304232005075602_20150509044735_103448
2005-06-10	LE71680502005161ASN00
2005-07-28	LE71680502005209ASN00
2005-08-13	LE71680502005225ASN00
2005-08-29	LE71680502005241ASN00
2005-09-14	LE71680502005257ASN00
2005-09-30	LE71680502005273ASN00
2005-12-03	LE71680502005337SGS00

2. IDs of the other products used in this paper

Date	Satellite or mission	Product ID
1965-05-19	KeyHole-4A	DS1021-1009DA051
1972-05-08	KeyHole-4B	DS1117-2041DF151
2001-10-21	Landsat-7	LE71680502001294SGS00
2003-06-02	Quickbird-2	03JUN02074523-M2AS-012368508010_01_P002
2004-11-14	ASTER	AST_08_00311142004075459_20200406124521_16810
2005-01-19	ASTER	AST_08_00301092005193545_20200406124451_16620
2005-02-17	ASTER	AST_08_00302172005194137_20200406124451_16622
2005-12-17	OrbView-3	3v051217p0001021551a520005700852m_001625696_1GST
2012-11-15	Pleiades-1A	DS_PHR1A_201211150755134_SE1_PX_E040N14_0405_01880
2015-03-17	Spot-6	DS_SPOT6_201503170724335_FR1_FR1_FR1_FR1_E040N14_01709
2016-07-02	Pleiades-1B	DS_PHR1B_201607020802006_FR1_PX_E040N14_0306_04448
2016-11-20	WorldView-2	A010010600B3E700
2017-10-21	Pleiades-1A	DS_PHR1A_201710210751425_FR1_PX_E040N14_0403_04941
2018-01-13	Landsat-8	LC81680502018013LGN00
2019-01-24	Pleiades-1B	DS_PHR1B_201901240803060_FR1_PX_E040N14_0406_01048
2019-02-26	Pleiades-1B	DS_PHR1B_201902260758313_FR1_PX_E040N14_0406_01124