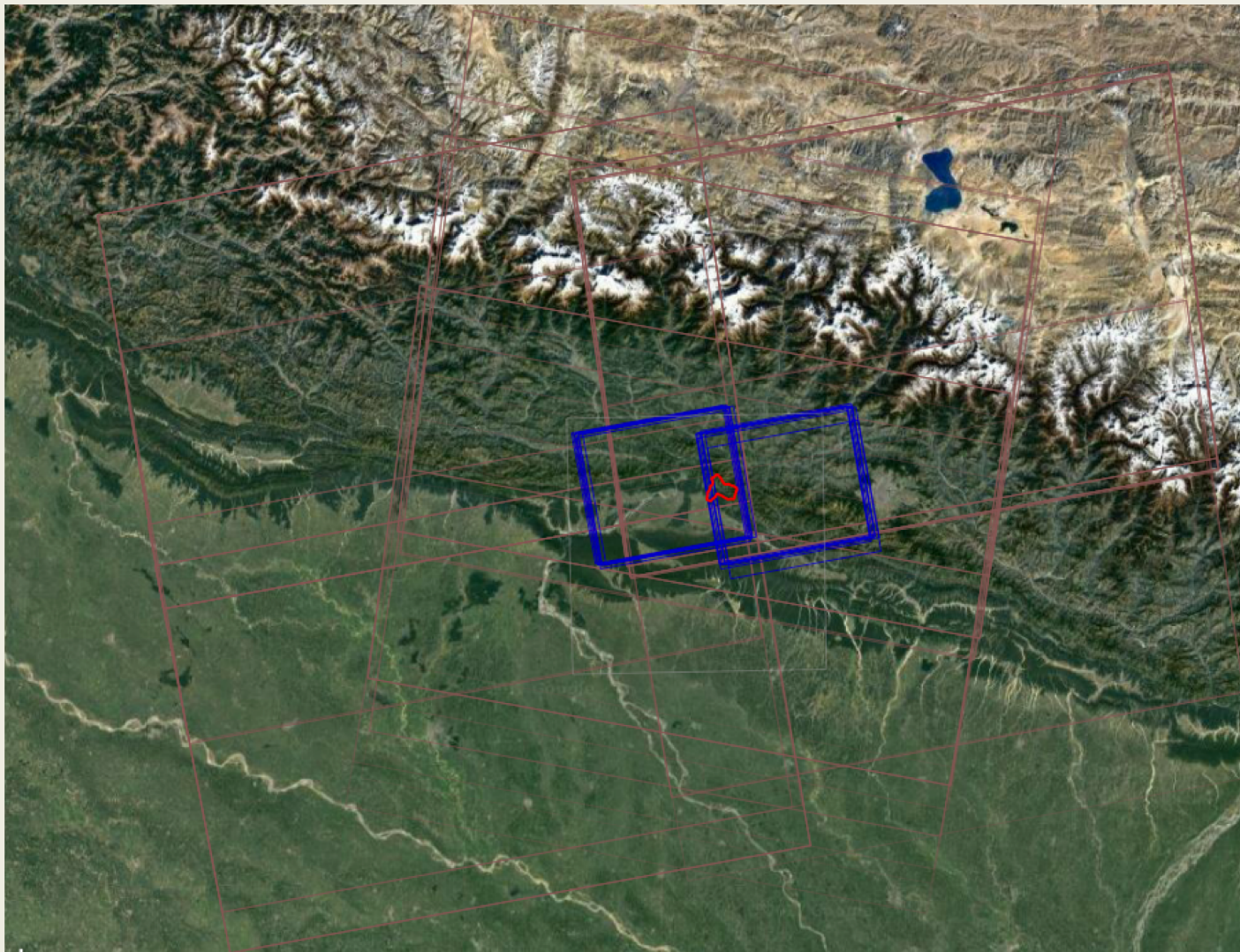


SERVIR HKH SAR Training Deforestation and Forest Degradation

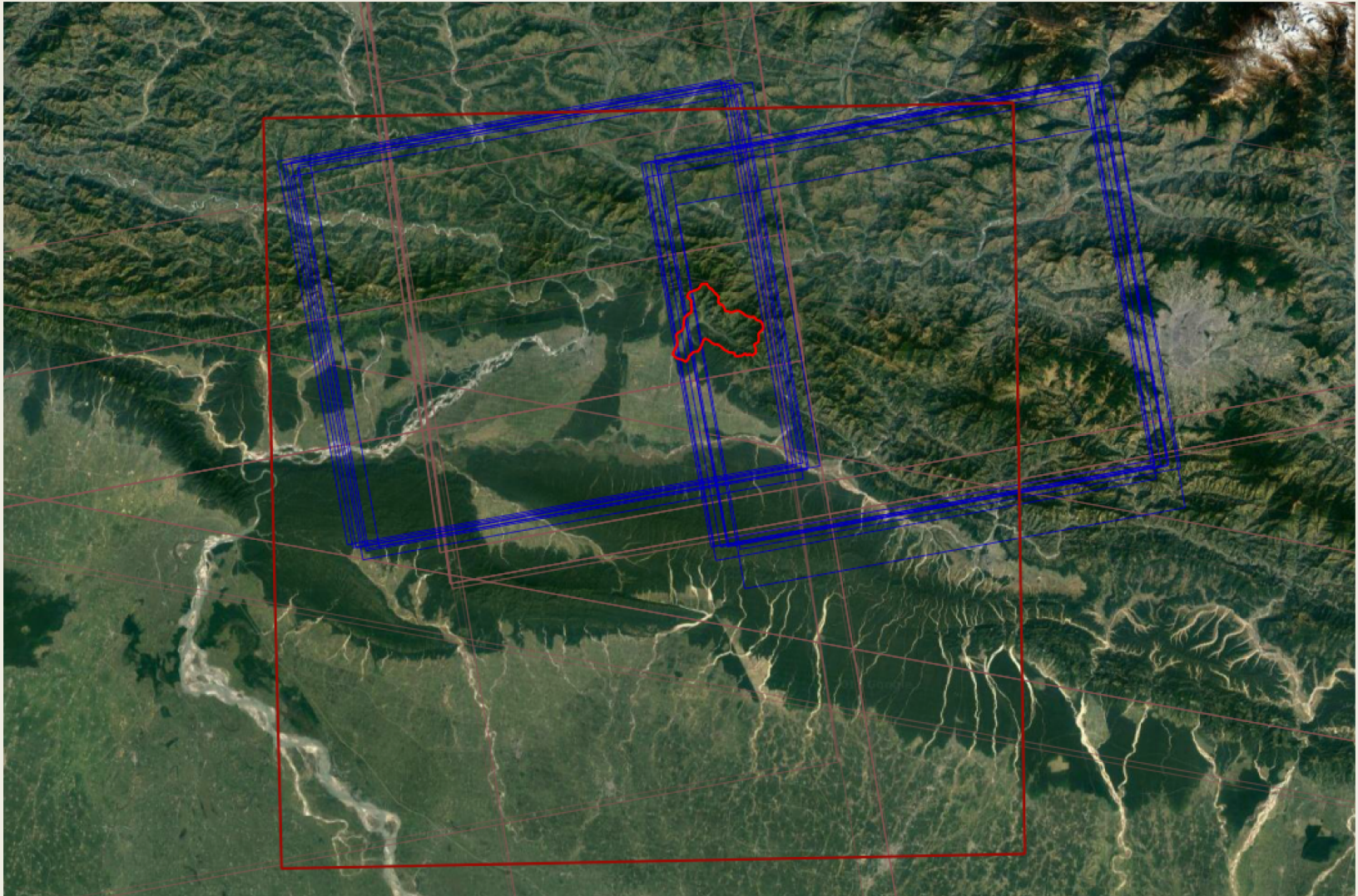
Josef Kelldorfer
EARTH BIG DATA LLC

Prepared for:
SERVIR HKH

Site Overview



Site Overview



Red Square: MGRS Tile 45RTL, blue: ALOS paths 512,511, light red: Sentinel-1 coverage

ALOS-1 Data available at ASF

flightdirection	polarization	date	time	path	platform
ASCENDING	HH	2007-01-18	22:55:02	512	ALOS
ASCENDING	HH	2007-03-05	22:55:09	512	ALOS
ASCENDING	HH	2008-04-05	22:50:38	511	ALOS
ASCENDING	HH	2008-11-21	22:51:51	511	ALOS
ASCENDING	HH	2009-01-06	22:52:34	511	ALOS
ASCENDING	HH	2009-01-23	22:54:57	512	ALOS
ASCENDING	HH	2009-02-21	22:53:10	511	ALOS
ASCENDING	HH	2009-03-10	22:55:29	512	ALOS
ASCENDING	HH+HV	2007-07-04	22:52:58	511	ALOS
ASCENDING	HH+HV	2007-07-21	22:55:05	512	ALOS
ASCENDING	HH+HV	2007-08-19	22:52:52	511	ALOS
ASCENDING	HH+HV	2007-09-05	22:54:56	512	ALOS
ASCENDING	HH+HV	2007-10-04	22:52:39	511	ALOS
ASCENDING	HH+HV	2008-05-21	22:49:49	511	ALOS
ASCENDING	HH+HV	2008-06-07	22:51:39	512	ALOS
ASCENDING	HH+HV	2008-07-06	22:49:32	511	ALOS
ASCENDING	HH+HV	2008-07-23	22:51:43	512	ALOS

Sentinel-1 Descending Data at ASF

flightdirection	polarization	date	time	path	platform	DESCENDING	VV+VH	2015-02-28	06:19:20	19	Sentinel-1A
DESCENDING	VV	2014-10-19	06:19:23	19	Sentinel-1A	DESCENDING	VV+VH	2015-04-29	06:19:34	19	Sentinel-1A
DESCENDING	VV	2014-11-12	06:19:23	19	Sentinel-1A	DESCENDING	VV+VH	2016-09-26	06:19:30	19	Sentinel-1A
DESCENDING	VV	2014-12-06	06:19:22	19	Sentinel-1A	DESCENDING	VV+VH	2016-10-08	06:19:30	19	Sentinel-1A
DESCENDING	VV	2015-02-16	06:19:20	19	Sentinel-1A	DESCENDING	VV+VH	2016-10-20	06:19:30	19	Sentinel-1A
DESCENDING	VV	2015-03-24	06:19:21	19	Sentinel-1A	DESCENDING	VV+VH	2016-11-01	06:19:31	19	Sentinel-1A
DESCENDING	VV	2015-04-17	06:19:21	19	Sentinel-1A	DESCENDING	VV+VH	2016-11-13	06:19:30	19	Sentinel-1A
DESCENDING	VV	2015-05-11	06:19:34	19	Sentinel-1A	DESCENDING	VV+VH	2016-12-07	06:19:30	19	Sentinel-1A
DESCENDING	VV	2015-05-23	06:19:18	19	Sentinel-1A	DESCENDING	VV+VH	2016-12-19	06:19:29	19	Sentinel-1A
DESCENDING	VV	2015-06-04	06:19:36	19	Sentinel-1A	DESCENDING	VV+VH	2016-12-31	06:19:29	19	Sentinel-1A
DESCENDING	VV	2015-06-16	06:19:39	19	Sentinel-1A	DESCENDING	VV+VH	2017-01-12	06:19:27	19	Sentinel-1A
DESCENDING	VV	2015-06-28	06:19:37	19	Sentinel-1A	DESCENDING	VV+VH	2017-01-24	06:19:27	19	Sentinel-1A
DESCENDING	VV	2015-07-10	06:19:32	19	Sentinel-1A	DESCENDING	VV+VH	2017-02-05	06:19:27	19	Sentinel-1A
DESCENDING	VV	2015-07-22	06:19:38	19	Sentinel-1A	DESCENDING	VV+VH	2017-03-01	06:19:40	19	Sentinel-1A
DESCENDING	VV	2015-08-15	06:19:28	19	Sentinel-1A	DESCENDING	VV+VH	2017-03-13	06:19:48	19	Sentinel-1A
DESCENDING	VV	2015-09-08	06:19:29	19	Sentinel-1A	DESCENDING	VV+VH	2017-03-25	06:19:49	19	Sentinel-1A
DESCENDING	VV	2015-11-07	06:19:43	19	Sentinel-1A	DESCENDING	VV+VH	2017-04-06	06:19:42	19	Sentinel-1A
DESCENDING	VV	2016-02-11	06:19:41	19	Sentinel-1A	DESCENDING	VV+VH	2017-04-18	06:19:43	19	Sentinel-1A
DESCENDING	VV	2016-03-06	06:19:22	19	Sentinel-1A	DESCENDING	VV+VH	2017-04-30	06:19:32	19	Sentinel-1A
DESCENDING	VV	2016-03-30	06:19:35	19	Sentinel-1A	DESCENDING	VV+VH	2017-05-12	06:19:33	19	Sentinel-1A
DESCENDING	VV	2016-05-17	06:19:37	19	Sentinel-1A	DESCENDING	VV+VH	2017-05-24	06:19:34	19	Sentinel-1A
DESCENDING	VV	2016-06-10	06:19:39	19	Sentinel-1A	DESCENDING	VV+VH	2017-06-05	06:19:34	19	Sentinel-1A
DESCENDING	VV	2016-07-28	06:19:41	19	Sentinel-1A	DESCENDING	VV+VH	2017-06-17	06:19:35	19	Sentinel-1A
DESCENDING	VV	2016-08-21	06:19:43	19	Sentinel-1A	DESCENDING	VV+VH	2017-06-29	06:19:36	19	Sentinel-1A
DESCENDING	VV	2016-09-14	06:19:44	19	Sentinel-1A	DESCENDING	VV+VH	2017-07-11	06:19:36	19	Sentinel-1A
DESCENDING	VV	2016-10-14	06:19:02	19	Sentinel-1B	DESCENDING	VV+VH	2017-07-23	06:19:37	19	Sentinel-1A
DESCENDING	VV	2016-11-07	06:19:02	19	Sentinel-1B	DESCENDING	VV+VH	2017-08-04	06:19:38	19	Sentinel-1A
DESCENDING	VV	2016-12-01	06:19:01	19	Sentinel-1B	DESCENDING	VV+VH	2017-08-16	06:19:39	19	Sentinel-1A
DESCENDING	VV	2016-12-25	06:19:01	19	Sentinel-1B	DESCENDING	VV+VH	2017-08-28	06:19:39	19	Sentinel-1A
DESCENDING	VV	2017-01-18	06:18:59	19	Sentinel-1B	DESCENDING	VV+VH	2017-09-09	06:19:39	19	Sentinel-1A
DESCENDING	VV	2017-02-11	06:18:58	19	Sentinel-1B	DESCENDING	VV+VH	2017-09-21	06:19:40	19	Sentinel-1A
						DESCENDING	VV+VH	2017-10-03	06:19:40	19	Sentinel-1A
						DESCENDING	VV+VH	2017-10-15	06:19:40	19	Sentinel-1A
						DESCENDING	VV+VH	2017-10-27	06:19:40	19	Sentinel-1A

(64 rows)

Sentinel-1 Ascending Data at ASF

flightdirection	polarization	date	time	path	platform						
ASCENDING	VV	2014-10-04	18:30:13	158	Sentinel-1A	ASCENDING	VV	2016-03-22	18:22:13	85	Sentinel-1A
ASCENDING	VV	2014-10-11	18:21:56	85	Sentinel-1A	ASCENDING	VV	2016-03-27	18:30:25	158	Sentinel-1A
ASCENDING	VV	2014-10-28	18:30:13	158	Sentinel-1A	ASCENDING	VV	2016-04-15	18:22:14	85	Sentinel-1A
ASCENDING	VV	2014-11-04	18:21:56	85	Sentinel-1A	ASCENDING	VV	2016-04-20	18:30:26	158	Sentinel-1A
ASCENDING	VV	2014-11-21	18:30:13	158	Sentinel-1A	ASCENDING	VV	2016-05-09	18:22:16	85	Sentinel-1A
ASCENDING	VV	2014-11-28	18:21:55	85	Sentinel-1A	ASCENDING	VV	2016-05-14	18:30:05	158	Sentinel-1A
ASCENDING	VV	2014-12-15	18:30:12	158	Sentinel-1A	ASCENDING	VV	2016-06-02	18:22:17	85	Sentinel-1A
ASCENDING	VV	2014-12-22	18:21:54	85	Sentinel-1A	ASCENDING	VV	2016-06-07	18:30:07	158	Sentinel-1A
ASCENDING	VV	2015-01-08	18:30:11	158	Sentinel-1A	ASCENDING	VV	2016-07-01	18:30:08	158	Sentinel-1A
ASCENDING	VV	2015-01-15	18:21:53	85	Sentinel-1A	ASCENDING	VV	2016-07-20	18:22:19	85	Sentinel-1A
ASCENDING	VV	2015-02-08	18:21:53	85	Sentinel-1A	ASCENDING	VV	2016-07-25	18:30:09	158	Sentinel-1A
ASCENDING	VV	2015-02-25	18:30:10	158	Sentinel-1A	ASCENDING	VV	2016-08-13	18:22:21	85	Sentinel-1A
ASCENDING	VV	2015-03-16	18:21:53	85	Sentinel-1A	ASCENDING	VV	2016-08-18	18:30:11	158	Sentinel-1A
ASCENDING	VV	2015-03-21	18:30:10	158	Sentinel-1A	ASCENDING	VV	2016-09-06	18:22:22	85	Sentinel-1A
ASCENDING	VV	2015-04-09	18:21:53	85	Sentinel-1A	ASCENDING	VV	2016-09-11	18:30:11	158	Sentinel-1A
ASCENDING	VV	2015-05-03	18:22:09	85	Sentinel-1A	ASCENDING	VV	2016-09-30	18:22:23	85	Sentinel-1A
ASCENDING	VV	2015-05-08	18:30:01	158	Sentinel-1A	ASCENDING	VV	2016-10-05	18:30:12	158	Sentinel-1A
ASCENDING	VV	2015-05-15	18:22:09	85	Sentinel-1A	ASCENDING	VV	2016-10-24	18:22:23	85	Sentinel-1A
ASCENDING	VV	2015-05-20	18:30:02	158	Sentinel-1A	ASCENDING	VV	2016-10-29	18:30:12	158	Sentinel-1A
ASCENDING	VV	2015-05-27	18:22:11	85	Sentinel-1A	ASCENDING	VV	2016-11-17	18:22:22	85	Sentinel-1A
ASCENDING	VV	2015-06-01	18:30:03	158	Sentinel-1A	ASCENDING	VV	2016-11-22	18:30:12	158	Sentinel-1A
ASCENDING	VV	2015-06-08	18:22:11	85	Sentinel-1A	ASCENDING	VV	2016-12-11	18:22:22	85	Sentinel-1A
ASCENDING	VV	2015-06-20	18:22:12	85	Sentinel-1A	ASCENDING	VV	2016-12-16	18:30:11	158	Sentinel-1A
ASCENDING	VV	2015-06-25	18:30:05	158	Sentinel-1A	ASCENDING	VV	2017-01-04	18:22:20	85	Sentinel-1A
ASCENDING	VV	2015-07-02	18:22:12	85	Sentinel-1A	ASCENDING	VV	2017-01-09	18:30:09	158	Sentinel-1A
ASCENDING	VV	2015-07-07	18:30:04	158	Sentinel-1A	ASCENDING	VV	2017-01-28	18:22:19	85	Sentinel-1A
ASCENDING	VV	2015-07-14	18:22:12	85	Sentinel-1A	ASCENDING	VV	2017-02-02	18:30:08	158	Sentinel-1A
ASCENDING	VV	2015-07-19	18:30:05	158	Sentinel-1A	ASCENDING	VV+VH	2015-10-30	18:21:56	85	Sentinel-1A
ASCENDING	VV	2015-07-26	18:22:13	85	Sentinel-1A	ASCENDING	VV+VH	2015-11-04	18:30:08	158	Sentinel-1A
ASCENDING	VV	2015-08-12	18:30:17	158	Sentinel-1A	ASCENDING	VV+VH	2017-02-09	18:22:19	85	Sentinel-1A
ASCENDING	VV	2015-08-31	18:22:01	85	Sentinel-1A	ASCENDING	VV+VH	2017-02-14	18:30:08	158	Sentinel-1A
ASCENDING	VV	2015-09-05	18:30:18	158	Sentinel-1A	ASCENDING	VV+VH	2017-02-21	18:22:19	85	Sentinel-1A
ASCENDING	VV	2015-10-06	18:21:56	85	Sentinel-1A	ASCENDING	VV+VH	2017-02-26	18:30:08	158	Sentinel-1A
ASCENDING	VV	2015-10-11	18:30:08	158	Sentinel-1A	ASCENDING	VV+VH	2017-03-05	18:22:19	85	Sentinel-1A
ASCENDING	VV	2015-11-23	18:22:15	85	Sentinel-1A	ASCENDING	VV+VH	2017-03-10	18:30:08	158	Sentinel-1A
ASCENDING	VV	2015-11-28	18:30:27	158	Sentinel-1A	ASCENDING	VV+VH	2017-03-17	18:22:20	85	Sentinel-1A
ASCENDING	VV	2015-12-17	18:22:14	85	Sentinel-1A	ASCENDING	VV+VH	2017-03-22	18:30:31	158	Sentinel-1A
ASCENDING	VV	2015-12-22	18:30:26	158	Sentinel-1A	ASCENDING	VV+VH	2017-04-03	18:30:31	158	Sentinel-1A
ASCENDING	VV	2016-01-10	18:22:14	85	Sentinel-1A	ASCENDING	VV+VH	2017-04-10	18:22:20	85	Sentinel-1A
ASCENDING	VV	2016-01-15	18:30:25	158	Sentinel-1A	ASCENDING	VV+VH	2017-04-15	18:30:32	158	Sentinel-1A
ASCENDING	VV	2016-02-03	18:22:13	85	Sentinel-1A	ASCENDING	VV+VH	2017-04-22	18:22:21	85	Sentinel-1A
ASCENDING	VV	2016-02-27	18:22:13	85	Sentinel-1A	ASCENDING	VV+VH	2017-04-27	18:30:32	158	Sentinel-1A
ASCENDING	VV	2016-03-03	18:30:25	158	Sentinel-1A	ASCENDING	VV+VH	2017-05-04	18:22:22	85	Sentinel-1A
						ASCENDING	VV+VH	2017-05-09	18:30:33	158	Sentinel-1A
						ASCENDING	VV+VH	2017-05-16	18:22:22	85	Sentinel-1A

Sentinel-1 Ascending Data at ASF

ASCENDING		VV+VH		2017-05-21		18:30:33		158		Sentinel-1A
ASCENDING		VV+VH		2017-05-28		18:22:23		85		Sentinel-1A
ASCENDING		VV+VH		2017-06-02		18:30:34		158		Sentinel-1A
ASCENDING		VV+VH		2017-06-09		18:22:24		85		Sentinel-1A
ASCENDING		VV+VH		2017-06-14		18:30:35		158		Sentinel-1A
ASCENDING		VV+VH		2017-06-26		18:30:36		158		Sentinel-1A
ASCENDING		VV+VH		2017-07-03		18:22:25		85		Sentinel-1A
ASCENDING		VV+VH		2017-07-08		18:30:36		158		Sentinel-1A
ASCENDING		VV+VH		2017-07-15		18:22:26		85		Sentinel-1A
ASCENDING		VV+VH		2017-07-20		18:30:37		158		Sentinel-1A
ASCENDING		VV+VH		2017-07-27		18:22:26		85		Sentinel-1A
ASCENDING		VV+VH		2017-08-01		18:30:38		158		Sentinel-1A
ASCENDING		VV+VH		2017-08-08		18:22:27		85		Sentinel-1A
ASCENDING		VV+VH		2017-08-13		18:30:38		158		Sentinel-1A
ASCENDING		VV+VH		2017-08-20		18:22:28		85		Sentinel-1A
ASCENDING		VV+VH		2017-08-25		18:30:39		158		Sentinel-1A
ASCENDING		VV+VH		2017-09-01		18:22:28		85		Sentinel-1A
ASCENDING		VV+VH		2017-09-06		18:30:39		158		Sentinel-1A
ASCENDING		VV+VH		2017-09-13		18:22:28		85		Sentinel-1A
ASCENDING		VV+VH		2017-09-18		18:30:40		158		Sentinel-1A
ASCENDING		VV+VH		2017-09-25		18:22:29		85		Sentinel-1A
ASCENDING		VV+VH		2017-09-30		18:30:40		158		Sentinel-1A
ASCENDING		VV+VH		2017-10-07		18:22:29		85		Sentinel-1A
ASCENDING		VV+VH		2017-10-12		18:30:40		158		Sentinel-1A
ASCENDING		VV+VH		2017-10-19		18:22:29		85		Sentinel-1A
ASCENDING		VV+VH		2017-10-24		18:30:40		158		Sentinel-1A

(114 rows)

SRTM-1 DEM and Scenes

