SATI	ELLITI	SPE	CTR	AL BA	ANDS	- (CON	/ERSIO	N TA	۱BL	E																			By: @sergioajv1 (Twitter)
SATEL	LITE	SENT	INEL-2	2-MSI							SkyMap5	0-SOAR	≀		CBERS)4A - INP	E			LANDSAT-8-	OLI			Sentin	el-3	-OLCI	Sentin	el-3-SLSTR		
						/		ion:10-60m	1		Swath:12k	m; Revis	it:2d.		Orbit H: 6	328,6 km					Swath:	185km;Revisit	16d.	Swath:1	1270	km;Revisit:4d	Swath:1	1400km;Revisit:2d		*This whole table
		900	1 -	entinel-			Sentine			_	Resolutior		5m / MS	2m							Resolut	tion:15-60m		Resolut			Resolut	tion:500/1000m		is under
WaveL	enght.	#ord	ler (2	2 <mark>015-06-</mark> 2		(:	2017-03	-07+)			(2013-05-3	30+)			2019-12-	20+)				(2013-05-3	0+)				(20)16-01-16+)				work / verification*
(nm)		BAN	חו	١	entrai Vave L.	Max.		Central W.L. N		Sp. Res	BAND*	Min.	Max.	Sp.	WPM 31d	MUX 31d	WFI 5dias	Min.	Max.	BAND*	Min.	Wave L. Ma	Sp. x. Res	BAND		Gentral Wave Iin. L. Max.	BAND	Central	MULTIF	COIMMENTS: Purposes (S2/L8/S3):
400	Aeroso	DAI		IVIIII.		Wax.	WIIII.	W.L. N	wax.	103	DAND	IVIIII.	WIGA.	IXES	Jiu	Jiu	Julas	WIIII.	IVIGA.	DAND	IVIIII.	L. Wid	λ. 1103	B01		392.5 400.0 407.	5	MIII. WAVE L. MICK	LIER	//Coastal aerosol. correction
420	Aeroso																							B02	_	407.5 412.5 417.	5		l	//Yellow subs.,detrital pig. (turbidity)
440	Aeroso	#12-E	301	432.2	442.7	453.2	431.7	442.2	452.7	60	PAN	450.0	890.0	.5	В0-Р			450.0	900.0	#3-B01	433.0	443.0 45	30	B03	4	437.5 442.5 447.	5			Aerosol//Chlorophyll abs., vegetation
460	*BLUE*	#1-B	02	459.4	492.4		459.1	492.1		10	B1	450.0		2	B1	B05	B13	3 450.0)	#2-B02	450.0		5.0 30	B04	_	485.0 490.0 495.	a reflect			SoilxVeg.,water/Bathym./Chlorophyll MAX.
530						525.4			525.1				520.0						520.0	#1-B08	500.0			B05		505.0 510.0 515.	500m			//Chlorophyll, sedim., turbid., red tide
560	*GREEN	* #3-B	03	541.8	559.8		541.0	559.0		10	B2	520.0		2	B2	B06	B14	4 520.0		#6-B03	525.0	562.5 60	0.0 30	B06		555.0 560.0 565.	a S1	554.3	1	Turbidity,oil//Chlorophyll MIN.
590						577.8			577.0				590.0						590.0				15	B07	Н	620.0				L-8 Panchromatic //
630	*RED*	#5-B	04	649.1			040.4			10	B3	630.0		2	В3	B07	B15	5 630.0		#5-B04	630.0	655.0 68	30.0	B08	_	615.0 620.0 625.0 660.0 665.0 670.0	a S2	659.5		//Sediment loading Soil,veg//2nd Chl.MAX,sedim.,yellow subs.
670	KED	#3-6	04	649.1	664.6		649.4	664.9		10	Б	630.0			DJ	D01	DI	5 630.0	<u>'</u>	#3-804	630.0	0.00.0	80.0 30	B09	_	670.0 673.8 677.	0 32	003.0	1	//Improved fluorescence,Surface Mix.Layer
690			-		004.0	680.1			680.4	_			690.0						690.0					B10		677.5 681.3 685.	0		1	//Chlorophyll fluorescence peak
700	RedEdg	#6-B	05	696.6	704.1		695.8			20			030.0						000.0					B11	_	703.8 708.8 713.	8			Vegetation//Chl.fl.basel.
740	RedEdg				740.5		731.6			20														B12	_	750.0 753.8 757.	5		1	Vegetation//O2 abs.,clouds,veg.
760	RedEdg			700.0		7 70.0	701.0		7 70.0															B13	_	760.0 761.3 762.	5			//O2 abs.,clouds,veg.;aerosol corr.
765	RedEdg	_																						B14	_	762.5 764.4 766.	3			//Atmospheric correction
767	RedEdg	_								1														B15		766.3 767.5 768.	8			//Cloud top press.,fluore.over land
780	NIR	#9-B	07	772.8	782.8	792.8	769.7	779.7	789.7	20	B4	770.0		2	B4	B08	B16	6 770.0)					B16	7	771.3 778.8 786.	3			Vegetation//Atmos.corr.
830	NIR	#2-B		779.8		885.8	779.9	832.9	885.9	10	NIR				NIR															Vegetation
860	NarrNIF	#10-E	38A	854.2	864.7	875.2	853.0	864.0	875.0	20										#4-B05	845.0	865.0	30	B17	8	855.0 865.0 875.	a S3	868.0	1	Vegetation//Atmos.aeros.corr.,clouds
880													890.0						890.0			38	35. O	B18	8	880.0 885.0 890.	a			Vegetation//Water vapour reference; SLSTR
900																								B19	8	895.0 900.0 905.	a			//Water vapour abs.,Veg.(max.reflect.)
940	SWIR	#13-E			945.1		932.7	943.2		60														B20		930.0 940.0 950.	a			//Water vapour abs.,Atmos.aeros.corr.
1300	SWIR	#4-B		1358.0				1376.9 1		60										#9-B09		1375.0 139		B21	10	000.0 1020.0 1040.	o S4	1374.8	3	Cirrus cloud detection//Atmos.aeros.corr.
1600	SWIR	#7-B						1610.4 1		20										#8-B06	1560.0						S5	1613.4	3	Snow/ice/cloud disc>0.025;moist.soil-veg.//
2200	SWIR	#11-E	312	2114.9	2202.4	2289.9	2093.2	2185.7 ₂	2278.2	20										#7-B07	2100.0	2200.0 230	0.0 60				S6	2250.7	3	Fire/Snow/ice/cloud>0.015;moist.soil-veg.//
																												1km/IR		
															2-8m	17m		n Resol					400				S7/F1	3742.0	.001	
															92Km	95Km	684Km	Swath		#10-B10	TIRS1		100		4		S8/F2	10850.0	.001	/Thermal map, soil moist/
			_							_										B11	TIRS2		100				S9	12020.5	.001	/Improved thermal map/
BAND	OFFSET	TIME:	В	02 to B	2: 2.09	s / 12 tr	racks														0.96s/	14 tracks (FF	PM)							
INDICE	S CON	ERSION	l:																						Descrip	otion: Note:	: under t	testings		
NDVI		1	(l	B08-B04)/(B08+	B04)					B4/B3				B4/B3						(B05-B	804)/(B05+B0	4)	(B17-B	308)/	(B17+B08)				•
NDWI1			(E	B08-B11)/(B08+	B11)	:	Leaves													(B03-B	305)/(B03+B0	5)	(B06-B	317)/	(B06+B17)	: Leave	S		
NDWI2	2			B03-B08			:	Water bod	dies		B2/B4				B2/B4							305)/(B03+B0		(B06-B	317)/	(B06+B17)		bodies		
NDSI				B03-B11	, ,																(B03-B	806)/(B03+B0	6)				(S2ND	SI>0.2 & B03>0.15) (OPT:SO	FT=(S2NDSI<0.55 & B03<0.4)
		(S2NDS		303>0.15)	OPT:SOFT	T=(S2NDS	SI<0.55 &	B03<0.4)																L						
	Iteration			11/B12																	B06/B0			B20/B2						
FeOx	(D)			11/B08				004/000		[D0/D1				D0/D1						B06/B0			B20/B1						
IOx (R		D=1.0:		05/B01				304/B02			B3/B1	(D2 - D2	D1\		B3/B1	1/D2 - D2	.D4\				B04/B0	JZ		B08/B0	J4		NID.D.	D.ODEEN//NID. DE	D. CDE	TAI)
Brove		Br1;2;		04; B03	, ,		U3+BU2	۷)		_	B3;B2;B1	(B3+B2+	۱۵۱)		53,B2,B	1(B3+B2-	+B1)				/DOE D	007\//D0E . D0	7\	(D00 0	C)//F	38+S6)	NIK;KE	D;GREEN/(NIR+RE	υ+GKE	EIN)
Burn F Clouds				B08-B12) ~ A A IX	CLOUDS	,												(BUD-B	807)/(B05+B0	1)	(BUB-S	00)/(E	00+00)				
Ciouds	•	1		B02>.3)					,																					
DAGIG	DAND	OME	_									h '		4				l bara d	£								_			
								lote: for ea	acn ne									pands	tor bett					IO. (1	-1.6	01.01				Sources:
		NIINEL-		B ORIGINAL COMBINATIONS:																LANDSAT-8-OLI				_	Sentinel-3-OLCI					https://www.usgs.gov/faqs/what-are-best-lan
	NATURAL NAT.ENH.(MARKUSE)		_	B04*3, B03*3, B02*3					_	B3, B2, B1									B04*3, B03*3, B02*3				(B08+B09+B10)*1, B06*3, (B04+B05)*1.5						https://en.wikipedia.org/wiki/Sentinel-2	
				B04*2+B05*.2,B03*2+B08*.4,B02*4						D4 D0 D0				=SkyMap50 (B,G,R,NIR)					B04*3,B03*2+B05*.5,B02*3						D)*1+B11*.3, B06*2+(B16+		04+B05)*1.5			
	FALSE NIR (RED VEG)			B08*2,B04*3,B03*3						B4, B3, B2									B05*2,B04*3,B03*3						809+B10)*1, (B04+B05)*1.	5			https://www.sentinel-hub.com/develop/docun	
	FALSE SWIR (URBAN)			B12*2,B11*3,B04*3														B07*2,B06*3,B04*3						309+B10)*1				https://sentinel.esa.int/web/sentinel/user-guid		
F.SWIR-NIR (SWIR)			B12*3,B8A*3,B04*3															B <mark>07*3,B05*3,B</mark> 04*3				S6*3, B17*3, (B08+B09+B10)*1						*L8:The along-track spectral band separation		
FALSE COL.GEOLOGY			B12*3,B04*3,B02*3															B07*3,B04*3,B02*3				S6, (B08+	S6, (B08+B09+B10)*1, (B04+B05)*1.5					This time delay creates a small but significan		
BATHYMETRIC			B04*3,B03*3,B01*3															B04*3,B03*3,B01*3				(B08+B09+B10)*1, B06*3, (B02+B03)*1.5					https://earth.esa.int/web/eoportal/satellite-mis			
AGRICULTURE			B11*3,B08*3,B02*3														B06*3,B05*3,B02*3				S5*3, (B16+B17)*1.5, (B04+B05)*1.5				http://www.cbers.inpe.br/sobre/cameras/cber					
GEOLOGY ENHANCED		В	B12*1.5+B04*1,B05*1.5+B08*0.5,B02*2.8													B07*2,B04*1.5+B05*0.5,B02*2.8				S6*1.5+B	308*1,	B11*1.5+B17*.5, (B04+B	805)*1.5			http://www2.dgi.inpe.br/catalogo/explore				
																										.,,,,				