

# VCO Observation Program List

2017/06/29

# Contents

<b>1</b>	<b>Description of the format of this list</b>	<b>3</b>
1.1	observation program id (valid date range): name . . . . .	3
<b>2</b>	<b>List</b>	<b>4</b>
2.1	0x00_v1 (2010-05-20 -- ): health check for all cameras . . . . .	4
2.2	0x01_v1 (2010-05-20 -- 2016-06-16): nightside deluxe (IR2, LIR) . . . . .	4
2.3	0x01_v2 (2016-06-16 -- ): nightside deluxe (IR2, LIR) . . . . .	4
2.4	0x02_v1 (2010-05-20 -- 2016-09-29): nightside slim (IR2, LIR) . . . . .	4
2.5	0x02_v2 (2016-09-29 -- ): nightside slim (IR2, LIR) . . . . .	5
2.6	0x03_v1 (2010-05-20 -- 2011-01-01): IR1 nightside deluxe . . . . .	5
2.7	0x03_v2 (2011-01-01 -- 2016-09-29): IR1 nightside deluxe . . . . .	5
2.8	0x03_v3 (2016-09-29 -- ): IR1 nightside deluxe . . . . .	5
2.9	0x04_v1 (2010-05-20 -- 2011-01-01): IR1 nightside slim . . . . .	5
2.10	0x04_v2 (2011-01-01 -- 2016-09-29): IR1 nightside slim . . . . .	6
2.11	0x04_v3 (2016-09-29 -- ): IR1 nightside slim . . . . .	6
2.12	0x05_v1 (2010-05-20 -- 2016-06-16): dayside deluxe (IR1, IR2, UVI, LIR) . . . . .	6
2.13	0x05_v2 (2016-06-16 -- 2016-09-29): dayside deluxe (IR1, IR2, UVI, LIR) . . . . .	6
2.14	0x05_v3 (2016-09-29 -- ): dayside deluxe (IR1, IR2, UVI, LIR) . . . . .	7
2.15	0x06_v1 (2010-05-20 -- 2016-06-16): dayside slim (IR1, IR2) . . . . .	7
2.16	0x06_v2 (2016-06-16 -- 2016-09-29): dayside slim (IR1, IR2, LIR) . . . . .	7
2.17	0x06_v3 (2016-09-29 -- ): dayside slim (IR1, IR2, LIR) . . . . .	7
2.18	0x07_v1 (2010-05-20 -- 2016-06-16): vicinity deluxe (UVI, LIR) . . . . .	8
2.19	0x07_v2 (2016-06-16 -- 2016-09-29): vicinity deluxe (UVI, LIR) . . . . .	8
2.20	0x07_v3 (2016-09-29 -- ): vicinity deluxe (UVI, LIR) . . . . .	8
2.21	0x08_v1 (2010-05-20 -- 2016-06-16): vicinity slim (UVIx2, LIR) . . . . .	8
2.22	0x08_v2 (2016-06-16 -- 2016-09-29): vicinity slim (UVIx2, LIR) . . . . .	9
2.23	0x08_v3 (2016-09-29 -- 2016-12-15): vicinity slim (UVIx2, LIR) . . . . .	9
2.24	0x08_v4 (2016-12-15 -- ): UVI for vicinity scan (UVI 365) . . . . .	9
2.25	0x09_v1 (2010-05-20 -- 2016-06-16): vicinity slim (UVIx7, LIR) . . . . .	10
2.26	0x09_v2 (2016-06-16 -- 2016-09-29): vicinity slim (UVIx7, LIR) . . . . .	10
2.27	0x09_v3 (2016-09-29 -- 2016-12-15): vicinity slim (UVIx7, LIR) . . . . .	11
2.28	0x09_v4 (2016-12-15 -- ): Dayside slim (UVI 283, 365 + LIR) ROI . . . . .	11
2.29	0x0a_v1 (2010-05-20 -- 2016-06-16): limb (IR1, UVI) . . . . .	12
2.30	0x0a_v2 (2016-06-16 -- 2016-09-29): limb (IR1, IR2, UVI) . . . . .	12
2.31	0x0a_v3 (2016-09-29 -- ): limb (IR1, IR2, UVI, LIR) . . . . .	12
2.32	0x0b_v1 (2010-05-20 -- 2016-06-16): nightside vicinity scan (IR2) . . . . .	12
2.33	0x0b_v2 (2016-06-16 -- 2016-09-29): nightside vicinity scan (IR2, LIR) . . . . .	13

2.34	0x0b_v3 (2016-09-29 -- ):	nightside vicinity scan (IR2, LIR)	13
2.35	0x0c_v1 (2010-05-20 -- 2016-06-16):	dayside vicinity scan (IR1, IR2, UVI, LIR)	13
2.36	0x0c_v2 (2016-06-16 -- 2016-09-29):	dayside vicinity scan (IR1, IR2, UVI, LIR)	13
2.37	0x0c_v3 (2016-09-29 -- ):	dayside vicinity scan (IR1, IR2, UVI, LIR)	14
2.38	0x0d_v1 (2010-05-20 -- 2015-09-28):	zodiacal light	14
2.39	0x0d_v2 (2015-09-28 -- 2016-06-16):	nightside deluxe (IR2, LIR) ROI	14
2.40	0x0d_v3 (2016-06-16 -- ):	nightside deluxe (IR2, LIR) ROI	14
2.41	0x0e_v1 (2010-05-20 -- 2015-09-28):	UVI health check (flat)	15
2.42	0x0e_v2 (2015-09-28 -- 2016-06-16):	nightside slim (IR2, LIR) ROI	15
2.43	0x0e_v3 (2016-06-16 -- 2016-09-29):	nightside slim (IR2, LIR) ROI	15
2.44	0x0e_v4 (2016-09-29 -- ):	nightside slim (IR2, LIR) ROI	15
2.45	0x0f_v1 (2010-05-20 -- 2016-06-16):	UVI lightning and stars	15
2.46	0x0f_v2 (2016-06-16 -- ):	UVI lightning and stars	15
2.47	0x10_v1 (2010-05-20 -- 2016-06-16):	UVI health check (TOP OB)	16
2.48	0x10_v2 (2016-06-16 -- ):	UVI health check (TOP OB)	16
2.49	0x11_v1 (2010-05-20 -- 2011-01-01):	IR1 nightside all wavelengths	16
2.50	0x11_v2 (2011-01-01 -- 2016-09-29):	IR1 nightside all wavelengths	16
2.51	0x11_v3 (2016-09-29 -- ):	IR1 nightside all wavelengths	17
2.52	0x12_v1 (2010-05-20 -- 2016-09-29):	IR2 nightside all wavelengths	17
2.53	0x12_v2 (2016-09-29 -- ):	IR2 nightside all wavelengths	17
2.54	0x13_v1 (2010-05-20 -- 2016-06-16):	IR1 health check	17
2.55	0x13_v2 (2016-06-16 -- ):	IR1 health check	17
2.56	0x14_v1 (2010-05-20 -- 2016-06-16):	IR2 health check	18
2.57	0x14_v2 (2016-06-16 -- ):	IR2 health check	18
2.58	0x15_v1 (2010-05-20 -- 2016-06-16):	IR1 flat	18
2.59	0x15_v2 (2016-06-16 -- 2016-09-29):	IR1 flat	18
2.60	0x15_v3 (2016-09-29 -- ):	IR1 smear correction	18
2.61	0x16_v1 (2010-05-20 -- 2016-09-29):	LIR single 1	18
2.62	0x16_v2 (2016-09-29 -- ):	LIR m032_n001	18
2.63	0x17_v1 (2010-05-20 -- 2015-09-28):	LIR single 2	19
2.64	0x17_v2 (2015-09-28 -- 2016-06-16):	dayside deluxe (IR1, IR2, UVI, LIR) ROI	19
2.65	0x17_v3 (2016-06-16 -- 2016-09-29):	dayside deluxe (IR1, IR2, UVI, LIR) ROI	19
2.66	0x17_v4 (2016-09-29 -- ):	dayside deluxe (IR1, IR2, UVI, LIR) ROI	20
2.67	0x18_v1 (2010-05-20 -- ):	LIR single 3	20
2.68	0x19_v1 (2010-05-20 -- ):	LIR_m032_n032	20
2.69	0x1a_v1 (2010-05-20 -- 2016-06-16):	UVI exposure time test	20
2.70	0x1a_v2 (2016-06-16 -- 2016-09-29):	UVI health check (Diffuser flat)	21
2.71	0x1a_v3 (2016-09-29 -- ):	UVI health check (Diffuser flat)	21

2.72	0x1b_v1 (2010-05-20 -- 2011-01-01): IR1 health check . . . . .	21
2.73	0x1b_v2 (2011-01-01 -- 2011-03-02): Venus photometry . . . . .	21
2.74	0x1b_v3 (2011-03-02 -- 2015-09-28): Venus photometry . . . . .	22
2.75	0x1b_v4 (2015-09-28 -- 2016-06-16): IR1 nightside deluxe ROI . . . . .	22
2.76	0x1b_v5 (2016-06-16 -- 2016-09-29): IR1 nightside deluxe ROI . . . . .	22
2.77	0x1b_v6 (2016-09-29 -- ): dayside deluxe (IR1 smear correction, IR2, UVI, LIR) ROI . . . . .	23
2.78	0x1c_v1 (2010-05-20 -- 2015-09-28): invalid . . . . .	23
2.79	0x1c_v2 (2015-09-28 -- 2016-06-16): IR1 nightside slim ROI . . . . .	23
2.80	0x1c_v3 (2016-06-16 -- 2016-09-29): IR1 nightside slim ROI . . . . .	23
2.81	0x1c_v4 (2016-09-29 -- ): IR1 flat (smear correction) . . . . .	23
2.82	0x1d_v1 (2010-05-20 -- 2016-06-16): LIR raw data for health check . . . . .	24
2.83	0x1d_v2 (2016-06-16 -- 2016-09-29): LIR for vicinity scan . . . . .	24
2.84	0x1d_v3 (2016-09-29 -- ): LIR for vicinity scan . . . . .	24
2.85	0x1e_v1 (2010-05-20 -- ): LIR OFPN setup sequence . . . . .	24
2.86	0x1f_v1 (2010-05-20 -- 2015-09-28): Earth (IR1, IR2, UVI, LIR) . . . . .	24
2.87	0x1f_v2 (2015-09-28 -- 2016-06-16): dayside slim (IR1, IR2, UVI, LIR) ROI . . . . .	25
2.88	0x1f_v3 (2016-06-16 -- 2016-09-29): dayside slim (IR1, IR2, LIR) ROI . . . . .	25
2.89	0x1f_v4 (2016-09-29 -- ): dayside slim (IR1, IR2, LIR) ROI . . . . .	25

## 1 Description of the format of this list

### 1.1 observation program id (valid date range): name

- cam: name of camera
- #: order of taking images. This starts from 1. [integer]
- kind: this indicates what kind of the image is taken.
- rec-#: order of recording images. This starts from 1. [integer]
- rec?: this indicates whether image is recorded to the partition 0x07 that is nominal storage for images. [boolean]
- object: target object of the image.
- filter: this indicates which filter was used for taking image.
- mode: this indicates which Optical Black (OB) mode was used for UVI or which accumulation mode was used for LIR.
- exp: exposure time for taking image in seconds [integer/float]
- median?: this indicates whether median processing with 3 images was used. [boolean]

## 2 List

### 2.1 0x00\_v1 (2010-05-20 -- ): health check for all cameras

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	dark 1	2	yes	DARK	dark		7.833	no
	2	cal. lamp+ext.	1	yes	CAL+External	0.90 um day		7.833	yes
ir2	3	dark 1	4	yes	DARK	dark		6.97	no
	4	cal. lamp+ext.	3	yes	CAL+External	2.26 um		6.97	no
uvi	5	dark 1	5	yes	SHUTTER	shutter	TopOB	0.046	no
	6	signal-0-exp 1	6	yes	any	283 nm	NormOB	0.0	no
	7	signal 1	7	yes	any	283 nm	NormOB	0.004	no
	8	signal 2	8	yes	any	365 nm	TopOB	0.046	no
lir	9	signal 1	9	yes	any	10 um	(1,1)	N/A	no
	10	signal 2	10	yes	any	10 um	(32,32)	N/A	no

### 2.2 0x01\_v1 (2010-05-20 -- 2016-06-16): nightside deluxe (IR2, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir2	1	pre-dark 1	3	no	DARK	dark		6.97	yes
	2	Venus 1	2	yes	VENUS	1.735 um		6.97	yes
	3	Venus 2	1	yes	VENUS	2.26 um		6.97	yes
	4	post-dark 1	4	no	DARK	dark		6.97	yes
	5	pre-dark 2	6	no	DARK	dark		12.97	yes
	6	Venus 3	5	yes	VENUS	2.32 um		12.97	yes
	7	post-dark 2	7	no	DARK	dark		12.97	yes
lir	8	Venus 1	8	yes	VENUS	10 um	(32,32)	N/A	no

### 2.3 0x01\_v2 (2016-06-16 -- ): nightside deluxe (IR2, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir2	1	pre-dark 1	3	no	DARK	dark		6.97	yes
	2	Venus 1	2	yes	VENUS	1.735 um		6.97	yes
	3	Venus 2	1	yes	VENUS	2.26 um		6.97	yes
	4	post-dark 1	4	no	DARK	dark		6.97	yes
	5	pre-dark 2	7	no	DARK	dark		12.97	yes
	6	Venus 3	6	yes	VENUS	2.02 um		12.97	no
	7	Venus 4	5	yes	VENUS	2.32 um		12.97	yes
	8	post-dark 2	8	no	DARK	dark		12.97	yes
lir	9	Venus 1	9	yes	VENUS	10 um	(32,32)	N/A	no

### 2.4 0x02\_v1 (2010-05-20 -- 2016-09-29): nightside slim (IR2, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir2	1	pre-dark 1	2	no	DARK	dark		6.97	yes
	2	Venus 1	1	yes	VENUS	2.26 um		6.97	yes
	3	post-dark 1	3	no	DARK	dark		6.97	yes
lir	4	Venus 1	4	yes	VENUS	10 um	(32,32)	N/A	no

## 2.5 0x02\_v2 (2016-09-29 -- ): nightside slim (IR2, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir2	1	pre-dark 1	2	no	DARK	dark		6.97	yes
	2	Venus 1	1	yes	VENUS	2.26 um		6.97	yes
	3	post-dark 1	3	no	DARK	dark		6.97	yes
lir	4	Venus 1	4	yes	VENUS	10 um	(32,32)	N/A	no

## 2.6 0x03\_v1 (2010-05-20 -- 2011-01-01): IR1 nightside deluxe

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	3	no	DARK	dark		10.833	yes
	2	Venus 1	2	yes	VENUS	0.97 um		10.833	yes
	3	Venus 2	1	yes	VENUS	1.01 um		10.833	yes
	4	post-dark 1	4	no	DARK	dark		10.833	yes
	5	pre-dark 2	6	no	DARK	dark		30.833	yes
	6	Venus 3	5	yes	VENUS	0.90 um night		30.833	yes
	7	post-dark 2	7	no	DARK	dark		30.833	yes

## 2.7 0x03\_v2 (2011-01-01 -- 2016-09-29): IR1 nightside deluxe

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	3	no	DARK	dark		30.833	yes
	2	Venus 1	2	yes	VENUS	0.97 um		30.833	yes
	3	Venus 2	1	yes	VENUS	1.01 um		30.833	yes
	4	post-dark 1	4	no	DARK	dark		30.833	yes
	5	pre-dark 2	6	no	DARK	dark		30.833	yes
	6	Venus 3	5	yes	VENUS	0.90 um night		30.833	yes
	7	post-dark 2	7	no	DARK	dark		30.833	yes

## 2.8 0x03\_v3 (2016-09-29 -- ): IR1 nightside deluxe

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	3	no	DARK	dark		100.833	yes
	2	Venus 1	2	yes	VENUS	0.97 um		100.833	yes
	3	Venus 2	1	yes	VENUS	0.90 um night		100.833	yes
	4	post-dark 1	4	no	DARK	dark		100.833	yes
	5	pre-dark 2	6	no	DARK	dark		30.833	yes
	6	Venus 3	5	yes	VENUS	1.01 um		30.833	yes
	7	post-dark 2	7	no	DARK	dark		30.833	yes

## 2.9 0x04\_v1 (2010-05-20 -- 2011-01-01): IR1 nightside slim

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		10.833	yes
	2	Venus 1	1	yes	VENUS	1.01 um		10.833	yes
	3	post-dark 1	3	no	DARK	dark		10.833	yes

## 2.10 0x04\_v2 (2011-01-01 -- 2016-09-29): IR1 nightside slim

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		30.833	yes
	2	Venus 1	1	yes	VENUS	1.01 um		30.833	yes
	3	post-dark 1	3	no	DARK	dark		30.833	yes

## 2.11 0x04\_v3 (2016-09-29 -- ): IR1 nightside slim

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		30.833	yes
	2	Venus 1	1	yes	VENUS	1.01 um		30.833	yes
	3	post-dark 1	3	no	DARK	dark		30.833	yes

## 2.12 0x05\_v1 (2010-05-20 -- 2016-06-16): dayside deluxe (IR1, IR2, UVI, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		7.833	yes
	2	Venus 1	1	yes	VENUS	0.90 um day		7.833	yes
	3	post-dark 1	3	no	DARK	dark		7.833	yes
ir2	4	pre-dark 1	5	no	DARK	dark		6.97	yes
	5	Venus 1	4	yes	VENUS	2.02 um		6.97	yes
	6	post-dark 1	6	no	DARK	dark		6.97	yes
uvi	7	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.25	yes
	8	Venus 1	?	yes	VENUS	283 nm	NormOB	0.25	yes
	9	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.25	yes
	10	pre-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
	11	Venus 2	?	yes	VENUS	365 nm	NormOB	0.046	yes
	12	post-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
lir	13	Venus 1	?	yes	VENUS	10 um	(32,32)	N/A	no

## 2.13 0x05\_v2 (2016-06-16 -- 2016-09-29): dayside deluxe (IR1, IR2, UVI, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		7.833	yes
	2	Venus 1	1	yes	VENUS	0.90 um day		7.833	yes
	3	post-dark 1	3	no	DARK	dark		7.833	yes
ir2	4	pre-dark 1	5	no	DARK	dark		6.97	yes
	5	Venus 1	4	yes	VENUS	2.02 um		6.97	yes
	6	post-dark 1	6	no	DARK	dark		6.97	yes
uvi	7	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.5	yes
	8	Venus 1	?	yes	VENUS	283 nm	NormOB	0.5	yes
	9	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.5	yes
	10	pre-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
	11	Venus 2	?	yes	VENUS	365 nm	NormOB	0.046	yes
	12	post-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
lir	13	Venus 1	?	yes	VENUS	10 um	(32,32)	N/A	no

### 2.14 0x05\_v3 (2016-09-29 -- ): dayside deluxe (IR1, IR2, UVI, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		7.833	yes
	2	Venus 1	1	yes	VENUS	0.90 um day		7.833	yes
	3	post-dark 1	3	no	DARK	dark		7.833	yes
ir2	4	pre-dark 1	5	no	DARK	dark		6.97	yes
	5	Venus 1	4	yes	VENUS	2.02 um		6.97	yes
	6	post-dark 1	6	no	DARK	dark		6.97	yes
uvi	7	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.5	yes
	8	Venus 1	?	yes	VENUS	283 nm	NormOB	0.5	yes
	9	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.5	yes
	10	pre-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
	11	Venus 2	?	yes	VENUS	365 nm	NormOB	0.046	yes
	12	post-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
lir	13	Venus 1	?	yes	VENUS	10 um	(32,32)	N/A	no

### 2.15 0x06\_v1 (2010-05-20 -- 2016-06-16): dayside slim (IR1, IR2)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		7.833	yes
	2	Venus 1	1	yes	VENUS	0.90 um day		7.833	yes
	3	post-dark 1	3	no	DARK	dark		7.833	yes
ir2	4	pre-dark 1	5	no	DARK	dark		6.97	yes
	5	Venus 1	4	yes	VENUS	2.02 um		6.97	yes
	6	post-dark 1	6	no	DARK	dark		6.97	yes
uvi	7	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.046	yes
	8	Venus 1	?	yes	VENUS	365 nm	NormOB	0.046	yes
	9	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.046	yes
lir	10	Venus 1	?	yes	VENUS	10 um	(32,32)	N/A	no

### 2.16 0x06\_v2 (2016-06-16 -- 2016-09-29): dayside slim (IR1, IR2, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	3	no	DARK	dark		7.833	yes
	2	Venus 1	2	yes	VENUS	0.90 um day		7.833	yes
	3	flat 1	1	yes	DIFFUSER	diffuser		7.833	yes
	4	post-dark 1	4	no	DARK	dark		7.833	yes
ir2	5	pre-dark 1	6	no	DARK	dark		6.97	yes
	6	Venus 1	5	yes	VENUS	2.02 um		6.97	yes
	7	post-dark 1	7	no	DARK	dark		6.97	yes
lir	8	Venus 1	8	yes	VENUS	10 um	(32,32)	N/A	no

### 2.17 0x06\_v3 (2016-09-29 -- ): dayside slim (IR1, IR2, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		7.833	yes
	2	Venus 1	1	yes	VENUS	0.90 um day		7.833	yes
	3	post-dark 1	3	no	DARK	dark		7.833	yes
ir2	4	pre-dark 1	5	no	DARK	dark		6.97	yes
	5	Venus 1	4	yes	VENUS	2.02 um		6.97	yes
	6	post-dark 1	6	no	DARK	dark		6.97	yes
lir	7	Venus 1	7	yes	VENUS	10 um	(32,32)	N/A	no

## 2.18 0x07\_v1 (2010-05-20 -- 2016-06-16): vicinity deluxe (UVI, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
uvi	1	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.25	yes
	2	Venus 1	?	yes	VENUS	283 nm	NormOB	0.25	yes
	3	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.25	yes
	4	pre-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
	5	Venus 2	?	yes	VENUS	365 nm	NormOB	0.046	yes
	6	post-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
lir	7	Venus 1	?	yes	VENUS	10 um	(32,32)	N/A	no

## 2.19 0x07\_v2 (2016-06-16 -- 2016-09-29): vicinity deluxe (UVI, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
uvi	1	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.5	no
	2	Venus 1	?	yes	VENUS	283 nm	NormOB	0.5	no
	3	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.5	no
	4	pre-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	no
	5	Venus 2	?	yes	VENUS	365 nm	NormOB	0.046	no
	6	post-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	no
lir	7	Venus 1	?	yes	VENUS	10 um	(32,1)x32	N/A	no

## 2.20 0x07\_v3 (2016-09-29 -- ): vicinity deluxe (UVI, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
uvi	1	pre-dark-0-exp 1	1	yes	SHUTTER	shutter	TopOB	0.0	no
	2	pre-dark 1	2	yes	SHUTTER	shutter	TopOB	0.5	no
	3	Venus-0-exp 1	3	yes	VENUS	283 nm	TopOB	0.0	no
	4	Venus 1	4	yes	VENUS	283 nm	TopOB	0.5	no
	5	pre-dark-0-exp 2	5	yes	SHUTTER	shutter	TopOB	0.0	no
	6	pre-dark 2	6	yes	SHUTTER	shutter	TopOB	0.046	no
	7	Venus-0-exp 2	7	yes	VENUS	365 nm	TopOB	0.0	no
	8	Venus 2	8	yes	VENUS	365 nm	TopOB	0.046	no
lir	9	Venus 1	9	yes	VENUS	10 um	(32,1)x32	N/A	no

## 2.21 0x08\_v1 (2010-05-20 -- 2016-06-16): vicinity slim (UVIx2, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
uvi	1	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.046	yes
	2	Venus 1	?	yes	VENUS	365 nm	NormOB	0.046	yes
	3	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.046	yes
	4	pre-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
	5	Venus 2	?	yes	VENUS	365 nm	NormOB	0.046	yes
	6	post-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
lir	7	Venus 1	?	yes	VENUS	10 um	(32,32)	N/A	no

**2.22 0x08\_v2 (2016-06-16 -- 2016-09-29): vicinity slim (UVIx2, LIR)**

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
uvi	1	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.046	no
	2	Venus 1	?	yes	VENUS	365 nm	NormOB	0.046	no
	3	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.046	no
	4	pre-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	no
	5	Venus 2	?	yes	VENUS	365 nm	NormOB	0.046	no
	6	post-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	no
lir	7	Venus 1	?	yes	VENUS	10 um	(32,1)x32	N/A	no

**2.23 0x08\_v3 (2016-09-29 -- 2016-12-15): vicinity slim (UVIx2, LIR)**

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
uvi	1	pre-dark-0-exp 1	1	yes	SHUTTER	shutter	TopOB	0.0	no
	2	pre-dark 1	2	yes	SHUTTER	shutter	TopOB	0.046	no
	3	Venus-0-exp 1	3	yes	VENUS	365 nm	TopOB	0.0	no
	4	Venus 1	4	yes	VENUS	365 nm	TopOB	0.046	no
	5	pre-dark-0-exp 2	5	yes	SHUTTER	shutter	TopOB	0.0	no
	6	pre-dark 2	6	yes	SHUTTER	shutter	TopOB	0.046	no
	7	Venus-0-exp 2	7	yes	VENUS	365 nm	TopOB	0.046	no
	8	Venus 2	8	yes	VENUS	365 nm	TopOB	0.046	no
lir	9	Venus 1	9	yes	VENUS	10 um	(32,1)x32	N/A	no

**2.24 0x08\_v4 (2016-12-15 -- ): UVI for vicinity scan (UVI 365)**

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
uvi	1	pre-dark-0-exp 1	1	yes	SHUTTER	shutter	TopOB	0.0	no
	2	pre-dark 1	2	yes	SHUTTER	shutter	TopOB	0.046	no
	3	Venus-0-exp 1	3	yes	VENUS	365 nm	TopOB	0.0	no
	4	Venus 1	4	yes	VENUS	365 nm	TopOB	0.046	no

## 2.25 0x09\_v1 (2010-05-20 -- 2016-06-16): vicinity slim (UVIx7, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
lir	1	Venus 1	1	yes	VENUS	10 um	(32,32)	N/A	no
uvi	2	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.046	yes
	3	Venus 1	?	yes	VENUS	365 nm	NormOB	0.046	yes
	4	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.046	yes
	5	pre-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
	6	Venus 2	?	yes	VENUS	365 nm	NormOB	0.046	yes
	7	post-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
	8	pre-dark 3	?	no	SHUTTER	shutter	NormOB	0.046	yes
	9	Venus 3	?	yes	VENUS	365 nm	NormOB	0.046	yes
	10	post-dark 3	?	no	SHUTTER	shutter	NormOB	0.046	yes
	11	pre-dark 4	?	no	SHUTTER	shutter	NormOB	0.046	yes
	12	Venus 4	?	yes	VENUS	365 nm	NormOB	0.046	yes
	13	post-dark 4	?	no	SHUTTER	shutter	NormOB	0.046	yes
	14	pre-dark 5	?	no	SHUTTER	shutter	NormOB	0.046	yes
	15	Venus 5	?	yes	VENUS	365 nm	NormOB	0.046	yes
	16	post-dark 5	?	no	SHUTTER	shutter	NormOB	0.046	yes
	17	pre-dark 6	?	no	SHUTTER	shutter	NormOB	0.046	yes
	18	Venus 6	?	yes	VENUS	365 nm	NormOB	0.046	yes
	19	post-dark 6	?	no	SHUTTER	shutter	NormOB	0.046	yes
	20	pre-dark 7	?	no	SHUTTER	shutter	NormOB	0.046	yes
	21	Venus 7	?	yes	VENUS	365 nm	NormOB	0.046	yes
	22	post-dark 7	?	no	SHUTTER	shutter	NormOB	0.046	yes

## 2.26 0x09\_v2 (2016-06-16 -- 2016-09-29): vicinity slim (UVIx7, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
lir	1	Venus 1	1	yes	VENUS	10 um	(32,1)x32	N/A	no
uvi	2	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.046	no
	3	Venus 1	?	yes	VENUS	365 nm	NormOB	0.046	no
	4	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.046	no
	5	pre-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	no
	6	Venus 2	?	yes	VENUS	365 nm	NormOB	0.046	no
	7	post-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	no
	8	pre-dark 3	?	no	SHUTTER	shutter	NormOB	0.046	no
	9	Venus 3	?	yes	VENUS	365 nm	NormOB	0.046	no
	10	post-dark 3	?	no	SHUTTER	shutter	NormOB	0.046	no
	11	pre-dark 4	?	no	SHUTTER	shutter	NormOB	0.046	no
	12	Venus 4	?	yes	VENUS	365 nm	NormOB	0.046	no
	13	post-dark 4	?	no	SHUTTER	shutter	NormOB	0.046	no
	14	pre-dark 5	?	no	SHUTTER	shutter	NormOB	0.046	no
	15	Venus 5	?	yes	VENUS	365 nm	NormOB	0.046	no
	16	post-dark 5	?	no	SHUTTER	shutter	NormOB	0.046	no
	17	pre-dark 6	?	no	SHUTTER	shutter	NormOB	0.046	no
	18	Venus 6	?	yes	VENUS	365 nm	NormOB	0.046	no
	19	post-dark 6	?	no	SHUTTER	shutter	NormOB	0.046	no
	20	pre-dark 7	?	no	SHUTTER	shutter	NormOB	0.046	no
	21	Venus 7	?	yes	VENUS	365 nm	NormOB	0.046	no
	22	post-dark 7	?	no	SHUTTER	shutter	NormOB	0.046	no

## 2.27 0x09\_v3 (2016-09-29 -- 2016-12-15): vicinity slim (UVIx7, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
lir	1	Venus 1	1	yes	VENUS	10 um	(32,1)x32	N/A	no
uvi	2	pre-dark-0-exp 1	2	yes	SHUTTER	shutter	TopOB	0.0	no
	3	pre-dark 1	3	yes	SHUTTER	shutter	TopOB	0.046	no
	4	Venus-0-exp 1	4	yes	VENUS	365 nm	TopOB	0.0	no
	5	Venus 1	5	yes	VENUS	365 nm	TopOB	0.046	no
	6	pre-dark-0-exp 2	6	yes	SHUTTER	shutter	TopOB	0.0	no
	7	pre-dark 2	7	yes	SHUTTER	shutter	TopOB	0.046	no
	8	Venus-0-exp 2	8	yes	VENUS	365 nm	TopOB	0.0	no
	9	Venus 2	9	yes	VENUS	365 nm	TopOB	0.046	no
	10	pre-dark-0-exp 3	10	yes	SHUTTER	shutter	TopOB	0.0	no
	11	pre-dark 3	11	yes	SHUTTER	shutter	TopOB	0.046	no
	12	Venus-0-exp 3	12	yes	VENUS	365 nm	TopOB	0.0	no
	13	Venus 3	13	yes	VENUS	365 nm	TopOB	0.046	no
	14	pre-dark-0-exp 4	14	yes	SHUTTER	shutter	TopOB	0.0	no
	15	pre-dark 4	15	yes	SHUTTER	shutter	TopOB	0.046	no
	16	Venus-0-exp 4	16	yes	VENUS	365 nm	TopOB	0.0	no
	17	Venus 4	17	yes	VENUS	365 nm	TopOB	0.046	no
	18	pre-dark-0-exp 5	18	yes	SHUTTER	shutter	TopOB	0.0	no
	19	pre-dark 5	19	yes	SHUTTER	shutter	TopOB	0.046	no
	20	Venus-0-exp 5	20	yes	VENUS	365 nm	TopOB	0.0	no
	21	Venus 5	21	yes	VENUS	365 nm	TopOB	0.046	no
	22	pre-dark-0-exp 6	22	yes	SHUTTER	shutter	TopOB	0.0	no
	23	pre-dark 6	23	yes	SHUTTER	shutter	TopOB	0.046	no
	24	Venus-0-exp 6	24	yes	VENUS	365 nm	TopOB	0.0	no
	25	Venus 6	25	yes	VENUS	365 nm	TopOB	0.046	no
	26	pre-dark-0-exp 7	26	yes	SHUTTER	shutter	TopOB	0.0	no
	27	pre-dark 7	27	yes	SHUTTER	shutter	TopOB	0.046	no
	28	Venus-0-exp 7	28	yes	VENUS	365 nm	TopOB	0.0	no
	29	Venus 7	29	yes	VENUS	365 nm	TopOB	0.046	no

## 2.28 0x09\_v4 (2016-12-15 -- ): Dayside slim (UVI 283, 365 + LIR) ROI

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
uvi	1	pre-dark-0-exp 1	?	no	SHUTTER	shutter	NormOB	0.0	yes
	2	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.5	yes
	3	pre-dark-0-exp 2	?	no	VENUS	283 nm	NormOB	0.0	yes
	4	Venus 1	?	yes	VENUS	283 nm	NormOB	0.5	yes
	5	post-0-exp 1	?	no	SHUTTER	shutter	NormOB	0.0	yes
	6	post-dark 1	?	yes	SHUTTER	shutter	NormOB	0.5	yes
	7	pre-dark-0-exp 3	?	no	SHUTTER	shutter	NormOB	0.0	no
	8	pre-dark 2	?	yes	SHUTTER	shutter	NormOB	0.046	yes
	9	pre-dark-0-exp 4	?	no	VENUS	365 nm	NormOB	0.046	yes
	10	Venus 2	?	yes	VENUS	365 nm	NormOB	0.046	yes
	11	post-0-exp 2	?	no	SHUTTER	shutter	NormOB	0.0	yes
	12	post-dark 2	?	yes	SHUTTER	shutter	NormOB	0.046	no
lir	13	Venus 1	?	yes	VENUS	10 um	(32,32)	N/A	no

### 2.29 0x0a\_v1 (2010-05-20 -- 2016-06-16): limb (IR1, UVI)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
uvi	1	pre-dark 1	?	no	SHUTTER	shutter	NormOB	4	yes
	2	Venus 1	?	yes	VENUS	365 nm	NormOB	4	yes
	3	post-dark 1	?	no	SHUTTER	shutter	NormOB	4	yes
ir1	4	pre-dark 1	?	no	DARK	dark		30.833	no
	5	Venus 1	?	yes	VENUS	0.90 um day		30.833	no
	6	post-dark 1	?	no	DARK	dark		30.833	no

### 2.30 0x0a\_v2 (2016-06-16 -- 2016-09-29): limb (IR1, IR2, UVI)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		30.833	no
	2	Venus 1	1	yes	VENUS	0.90 um day		30.833	no
	3	post-dark 1	3	no	DARK	dark		30.833	no
ir2	4	pre-dark 1	5	no	DARK	dark		18.97	no
	5	Venus 1	4	yes	VENUS	2.02 um		18.97	no
	6	post-dark 1	6	no	DARK	dark		18.97	no
uvi	7	pre-dark 1	?	no	SHUTTER	shutter	NormOB	4	yes
	8	Venus 1	?	yes	VENUS	365 nm	NormOB	4	yes
	9	post-dark 1	?	no	SHUTTER	shutter	NormOB	4	yes

### 2.31 0x0a\_v3 (2016-09-29 -- ): limb (IR1, IR2, UVI, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		30.833	no
	2	Venus 1	1	yes	VENUS	0.90 um day		30.833	no
	3	post-dark 1	3	no	DARK	dark		30.833	no
ir2	4	pre-dark 1	5	no	DARK	dark		18.97	no
	5	Venus 1	4	yes	VENUS	2.02 um		18.97	no
	6	post-dark 1	6	no	DARK	dark		18.97	no
uvi	7	pre-dark-0-exp 1	7	yes	SHUTTER	shutter	NormOB	0.0	no
	8	pre-dark 1	8	yes	SHUTTER	shutter	NormOB	0.5	no
	9	Venus-0-exp 1	9	yes	VENUS	283 nm	NormOB	0.0	no
	10	Venus 1	10	yes	VENUS	283 nm	NormOB	0.5	no
	11	pre-dark-0-exp 2	11	yes	SHUTTER	shutter	NormOB	0.0	no
	12	pre-dark 2	12	yes	SHUTTER	shutter	NormOB	0.046	no
	13	Venus-0-exp 2	13	yes	VENUS	365 nm	NormOB	0.0	no
	14	Venus 2	14	yes	VENUS	365 nm	NormOB	0.046	no
lir	15	Venus 1	15	yes	VENUS	10 um	(32,1)x32	N/A	no

### 2.32 0x0b\_v1 (2010-05-20 -- 2016-06-16): nightside vicinity scan (IR2)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir2	1	pre-dark 1	2	no	DARK	dark		6.97	no
	2	Venus 1	1	yes	VENUS	2.26 um		6.97	no
	3	post-dark 1	3	no	DARK	dark		6.97	no
lir	4	Venus 1	4	yes	VENUS	10 um	(32,32)	N/A	no

**2.33 0x0b\_v2 (2016-06-16 -- 2016-09-29): nightside vicinity scan (IR2, LIR)**

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir2	1	pre-dark 1	3	no	DARK	dark		6.97	no
	2	Venus 1	2	yes	VENUS	1.735 um		6.97	no
	3	Venus 2	1	yes	VENUS	2.26 um		6.97	no
	4	post-dark 1	4	no	DARK	dark		6.97	no
lir	5	Venus 1	5	yes	VENUS	10 um	(32,1)x32	N/A	no

**2.34 0x0b\_v3 (2016-09-29 -- ): nightside vicinity scan (IR2, LIR)**

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir2	1	pre-dark 1	3	no	DARK	dark		6.97	no
	2	Venus 1	2	yes	VENUS	1.735 um		6.97	no
	3	Venus 2	1	yes	VENUS	2.26 um		6.97	no
	4	post-dark 1	4	no	DARK	dark		6.97	no
lir	5	Venus 1	5	yes	VENUS	10 um	(32,1)x32	N/A	no

**2.35 0x0c\_v1 (2010-05-20 -- 2016-06-16): dayside vicinity scan (IR1, IR2, UVI, LIR)**

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		7.833	no
	2	Venus 1	1	yes	VENUS	0.90 um day		7.833	no
	3	post-dark 1	3	no	DARK	dark		7.833	no
ir2	4	pre-dark 1	5	no	DARK	dark		6.97	no
	5	Venus 1	4	yes	VENUS	2.02 um		6.97	no
	6	post-dark 1	6	no	DARK	dark		6.97	no
uvi	7	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.046	no
	8	Venus 1	?	yes	VENUS	365 nm	NormOB	0.046	no
	9	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.046	no
lir	10	Venus 1	?	yes	VENUS	10 um	(32,32)	N/A	no

**2.36 0x0c\_v2 (2016-06-16 -- 2016-09-29): dayside vicinity scan (IR1, IR2, UVI, LIR)**

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		7.833	no
	2	Venus 1	1	yes	VENUS	0.90 um day		7.833	no
	3	post-dark 1	3	no	DARK	dark		7.833	no
ir2	4	pre-dark 1	5	no	DARK	dark		6.97	no
	5	Venus 1	4	yes	VENUS	2.02 um		6.97	no
	6	post-dark 1	6	no	DARK	dark		6.97	no
uvi	7	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.046	no
	8	Venus 1	?	yes	VENUS	365 nm	NormOB	0.046	no
	9	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.046	no
lir	10	Venus 1	?	yes	VENUS	10 um	(32,1)x32	N/A	no

### 2.37 0x0c\_v3 (2016-09-29 -- ): dayside vicinity scan (IR1, IR2, UVI, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		7.833	no
	2	Venus 1	1	yes	VENUS	0.90 um day		7.833	no
	3	post-dark 1	3	no	DARK	dark		7.833	no
ir2	4	pre-dark 1	5	no	DARK	dark		6.97	no
	5	Venus 1	4	yes	VENUS	2.02 um		6.97	no
	6	post-dark 1	6	no	DARK	dark		6.97	no
uvi	7	pre-dark-0-exp 1	7	yes	SHUTTER	shutter	TopOB	0.0	no
	8	pre-dark 1	8	yes	SHUTTER	shutter	TopOB	0.046	no
	9	Venus-0-exp 1	9	yes	VENUS	365 nm	TopOB	0.0	no
	10	Venus 1	10	yes	VENUS	365 nm	TopOB	0.046	no
lir	11	Venus 1	11	yes	VENUS	10 um	(32,1)x32	N/A	no

### 2.38 0x0d\_v1 (2010-05-20 -- 2015-09-28): zodiacal light

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir2	1	pre-dark 1	4	yes	DARK	dark		122.83	no
	2	zodiacal light 1	1	yes	ZODIACAL LIGHT	1.65 um		122.83	no
	3	zodiacal light 2	2	yes	ZODIACAL LIGHT	1.65 um		122.83	no
	4	zodiacal light 3	3	yes	ZODIACAL LIGHT	1.65 um		122.83	no
	5	post-dark 1	5	yes	DARK	dark		122.83	no

### 2.39 0x0d\_v2 (2015-09-28 -- 2016-06-16): nightside deluxe (IR2, LIR) ROI

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir2	1	pre-dark 1	3	no	DARK	dark		6.97	yes
	2	Venus 1	2	yes	VENUS	1.735 um		6.97	yes
	3	Venus 2	1	yes	VENUS	2.26 um		6.97	yes
	4	post-dark 1	4	no	DARK	dark		6.97	yes
	5	pre-dark 2	6	no	DARK	dark		12.97	yes
	6	Venus 3	5	yes	VENUS	2.32 um		12.97	yes
	7	post-dark 2	7	no	DARK	dark		12.97	yes
lir	8	Venus 1	8	yes	VENUS	10 um	(32,32)	N/A	no

### 2.40 0x0d\_v3 (2016-06-16 -- ): nightside deluxe (IR2, LIR) ROI

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir2	1	pre-dark 1	3	no	DARK	dark		6.97	yes
	2	Venus 1	2	yes	VENUS	1.735 um		6.97	yes
	3	Venus 2	1	yes	VENUS	2.26 um		6.97	yes
	4	post-dark 1	4	no	DARK	dark		6.97	yes
	5	pre-dark 2	7	no	DARK	dark		12.97	yes
	6	Venus 3	6	yes	VENUS	2.02 um		12.97	no
	7	Venus 4	5	yes	VENUS	2.32 um		12.97	yes
	8	post-dark 2	8	no	DARK	dark		12.97	yes
lir	9	Venus 1	9	yes	VENUS	10 um	(32,32)	N/A	no

#### 2.41 0x0e\_v1 (2010-05-20 -- 2015-09-28): UVI health check (flat)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
uvi	1	noise-0-exp 1	1	yes	SHUTTER	shutter	TopOB	0.0	no
	2	noise 1	2	yes	SHUTTER	shutter	TopOB	1.0	no
	3	flat-0-exp 1	3	yes	DIFFUSER	diffuser	TopOB	0.0	no
	4	flat 1	4	yes	DIFFUSER	diffuser	TopOB	1.0	no

#### 2.42 0x0e\_v2 (2015-09-28 -- 2016-06-16): nightside slim (IR2, LIR) ROI

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir2	1	pre-dark 1	2	no	DARK	dark		6.97	yes
	2	Venus 1	1	yes	VENUS	2.26 um		6.97	yes
	3	post-dark 1	3	no	DARK	dark		6.97	yes
lir	4	Venus 1	4	yes	VENUS	10 um	(32,32)	N/A	no

#### 2.43 0x0e\_v3 (2016-06-16 -- 2016-09-29): nightside slim (IR2, LIR) ROI

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir2	1	pre-dark 1	2	no	DARK	dark		6.97	yes
	2	Venus 1	1	yes	VENUS	2.26 um		6.97	yes
	3	post-dark 1	3	no	DARK	dark		6.97	yes
lir	4	Venus 1	4	yes	VENUS	10 um	(32,32)	N/A	no

#### 2.44 0x0e\_v4 (2016-09-29 -- ): nightside slim (IR2, LIR) ROI

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir2	1	pre-dark 1	2	no	DARK	dark		6.97	yes
	2	Venus 1	1	yes	VENUS	2.26 um		6.97	yes
	3	post-dark 1	3	no	DARK	dark		6.97	yes
lir	4	Venus 1	4	yes	VENUS	10 um	(32,32)	N/A	no

#### 2.45 0x0f\_v1 (2010-05-20 -- 2016-06-16): UVI lightning and stars

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
uvi	1	pre-dark 1	?	no	SHUTTER	shutter	NormOB	11	no
	2	signal 1	?	yes	any	365 nm	NormOB	11	no
	3	post-dark 1	?	no	SHUTTER	shutter	NormOB	11	no

#### 2.46 0x0f\_v2 (2016-06-16 -- ): UVI lightning and stars

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
uvi	1	pre-dark 1	?	no	SHUTTER	shutter	NormOB	11	no
	2	signal 1	?	yes	any	283 nm	NormOB	11	no
	3	post-dark 1	?	no	SHUTTER	shutter	NormOB	11	no
	4	pre-dark 1	?	no	SHUTTER	shutter	NormOB	11	no
	5	signal 2	?	yes	any	365 nm	NormOB	11	no
	6	post-dark 1	?	no	SHUTTER	shutter	NormOB	11	no

### 2.47 0x10\_v1 (2010-05-20 -- 2016-06-16): UVI health check (TOP OB)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
uvi	1	noise-0-exp 1	1	yes	SHUTTER	shutter	TopOB	0.0	no
	2	noise 1	2	yes	SHUTTER	shutter	TopOB	0.25	no
	3	signal-0-exp 1	3	yes	any	283 nm	TopOB	0.0	no
	4	signal 1	4	yes	any	283 nm	TopOB	0.25	no
	5	signal-0-exp 2	5	yes	any	365 nm	TopOB	0.0	no
	6	signal 2	6	yes	any	365 nm	TopOB	0.046	no
	7	noise-0-exp 2	7	yes	SHUTTER	shutter	TopOB	0.0	no
	8	noise 2	8	yes	SHUTTER	shutter	TopOB	0.046	no

### 2.48 0x10\_v2 (2016-06-16 -- ): UVI health check (TOP OB)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
uvi	1	noise-0-exp 1	1	yes	SHUTTER	shutter	TopOB	0.0	no
	2	noise 1	2	yes	SHUTTER	shutter	TopOB	0.5	no
	3	signal-0-exp 1	3	yes	any	283 nm	TopOB	0.0	no
	4	signal 1	4	yes	any	283 nm	TopOB	0.5	no
	5	signal-0-exp 2	5	yes	any	365 nm	TopOB	0.0	no
	6	signal 2	6	yes	any	365 nm	TopOB	0.046	no
	7	noise-0-exp 2	7	yes	SHUTTER	shutter	TopOB	0.0	no
	8	noise 2	8	yes	SHUTTER	shutter	TopOB	0.046	no

### 2.49 0x11\_v1 (2010-05-20 -- 2011-01-01): IR1 nightside all wavelengths

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	3	no	DARK	dark		10.833	no
	2	star 1	2	yes	STAR	0.97 um		10.833	no
	3	star 2	1	yes	STAR	1.01 um		10.833	no
	4	post-dark 1	4	no	DARK	dark		10.833	no
	5	pre-dark 2	6	no	DARK	dark		10.833	no
	6	star 3	5	yes	STAR	0.90 um night		10.833	no
	7	post-dark 2	7	no	DARK	dark		10.833	no

### 2.50 0x11\_v2 (2011-01-01 -- 2016-09-29): IR1 nightside all wavelengths

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	3	no	DARK	dark		30.833	no
	2	star 1	2	yes	STAR	0.97 um		30.833	no
	3	star 2	1	yes	STAR	1.01 um		30.833	no
	4	post-dark 1	4	no	DARK	dark		30.833	no
	5	pre-dark 2	6	no	DARK	dark		30.833	no
	6	star 3	5	yes	STAR	0.90 um night		30.833	no
	7	post-dark 2	7	no	DARK	dark		30.833	no

### 2.51 0x11\_v3 (2016-09-29 -- ): IR1 nightside all wavelengths

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	3	no	DARK	dark		30.833	no
	2	star 1	2	yes	STAR	0.97 um		30.833	no
	3	star 2	1	yes	STAR	1.01 um		30.833	no
	4	post-dark 1	4	no	DARK	dark		30.833	no
	5	pre-dark 2	6	no	DARK	dark		30.833	no
	6	star 3	5	yes	STAR	0.90 um night		30.833	no
	7	post-dark 2	7	no	DARK	dark		30.833	no

### 2.52 0x12\_v1 (2010-05-20 -- 2016-09-29): IR2 nightside all wavelengths

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir2	1	pre-dark 1	3	no	DARK	dark		18.97	no
	2	star 1	2	yes	STAR	1.735 um		18.97	no
	3	star 2	1	yes	STAR	2.32 um		18.97	no
	4	post-dark 1	4	no	DARK	dark		18.97	no
	5	pre-dark 2	6	no	DARK	dark		12.97	no
	6	star 3	5	yes	STAR	2.26		12.97	no
	7	post-dark 2	7	no	DARK	dark		12.97	no

### 2.53 0x12\_v2 (2016-09-29 -- ): IR2 nightside all wavelengths

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir2	1	pre-dark 1	3	no	DARK	dark		18.97	no
	2	star 1	2	yes	STAR	1.735 um		18.97	no
	3	star 2	1	yes	STAR	2.32 um		18.97	no
	4	post-dark 1	4	no	DARK	dark		18.97	no
	5	pre-dark 2	6	no	DARK	dark		12.97	no
	6	star 3	5	yes	STAR	2.26		12.97	no
	7	post-dark 2	7	no	DARK	dark		12.97	no

### 2.54 0x13\_v1 (2010-05-20 -- 2016-06-16): IR1 health check

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	3	no	DARK			7.833	no
	2	cal. lamp	2	yes	CAL	DARK		7.833	no
	3	ext. light 1	1	yes	EXTERNAL LIGHT	0.90 um day		7.833	no
	4	post-dark 1	4	no	DARK	dark		7.833	no

### 2.55 0x13\_v2 (2016-06-16 -- ): IR1 health check

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	3	no	DARK	dark		7.833	no
	2	cal. lamp	2	yes	CAL	DARK		7.833	no
	3	ext. light 1	1	yes	EXTERNAL LIGHT	0.90 um day		7.833	no
	4	post-dark 1	4	no	DARK	dark		7.833	no

## 2.56 0x14\_v1 (2010-05-20 -- 2016-06-16): IR2 health check

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir2	1	pre-dark 1	3	no	DARK	dark		6.97	no
	2	cal. lamp	2	yes	CAL	DARK		6.97	no
	3	ext. light 1	1	yes	EXTERNAL LIGHT	2.02 um		6.97	no
	4	post-dark 1	4	no	DARK	dark		6.97	no

## 2.57 0x14\_v2 (2016-06-16 -- ): IR2 health check

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir2	1	pre-dark 1	3	no	DARK	dark		6.97	no
	2	cal. lamp	2	yes	CAL	DARK		6.97	no
	3	ext. light 1	1	yes	EXTERNAL LIGHT	2.02 um		6.97	no
	4	post-dark 1	4	no	DARK	dark		6.97	no

## 2.58 0x15\_v1 (2010-05-20 -- 2016-06-16): IR1 flat

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		7.833	yes
	2	flat 1	1	yes	DIFFUSER	diffuser		7.833	yes
	3	post-dark 1	3	no	DARK	dark		7.833	yes

## 2.59 0x15\_v2 (2016-06-16 -- 2016-09-29): IR1 flat

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	4	yes	DARK	dark		7.833	no
	2	flat 1	1	yes	DIFFUSER	diffuser		7.833	no
	3	flat 2	2	yes	DIFFUSER	diffuser		7.833	no
	4	flat 3	3	yes	DIFFUSER	diffuser		7.833	no
	5	post-dark 1	5	yes	DARK	dark		7.833	no

## 2.60 0x15\_v3 (2016-09-29 -- ): IR1 smear correction

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	0.90 um signal 1	?	yes	unknown	0.90 um day		14.229	yes
	2	0.90 um smear 1	?	yes	unknown	0.90 um day		14.229	yes
	3	dark signal 1	?	yes	DARK	dark		14.229	yes
	4	dark smear 1	?	yes	DARK	dark		14.229	yes

## 2.61 0x16\_v1 (2010-05-20 -- 2016-09-29): LIR single 1

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
lir	1	Venus 1	1	yes	VENUS	10 um	(1,1)	N/A	no

## 2.62 0x16\_v2 (2016-09-29 -- ): LIR m032\_n001

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
lir	1	Venus 1	1	yes	VENUS	10 um	(32,1)	N/A	no

### 2.63 0x17\_v1 (2010-05-20 -- 2015-09-28): LIR single 2

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
lir	1	Venus 1	1	yes	VENUS	10 um	(1,1)	N/A	no

### 2.64 0x17\_v2 (2015-09-28 -- 2016-06-16): dayside deluxe (IR1, IR2, UVI, LIR) ROI

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		7.833	yes
	2	Venus 1	1	yes	VENUS	0.90 um day		7.833	yes
	3	post-dark 1	3	no	DARK	dark		7.833	yes
ir2	4	pre-dark 1	5	no	DARK	dark		6.97	yes
	5	Venus 1	4	yes	VENUS	2.02 um		6.97	yes
	6	post-dark 1	6	no	DARK	dark		6.97	yes
uvi	7	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.25	yes
	8	Venus 1	?	yes	VENUS	283 nm	NormOB	0.25	yes
	9	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.25	yes
	10	pre-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
	11	Venus 2	?	yes	VENUS	365 nm	NormOB	0.046	yes
	12	post-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
lir	13	Venus 1	?	yes	VENUS	10 um	(32,32)	N/A	no

### 2.65 0x17\_v3 (2016-06-16 -- 2016-09-29): dayside deluxe (IR1, IR2, UVI, LIR) ROI

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		7.833	yes
	2	Venus 1	1	yes	VENUS	0.90 um day		7.833	yes
	3	post-dark 1	3	no	DARK	dark		7.833	yes
ir2	4	pre-dark 1	5	no	DARK	dark		6.97	yes
	5	Venus 1	4	yes	VENUS	2.02 um		6.97	yes
	6	post-dark 1	6	no	DARK	dark		6.97	yes
uvi	7	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.5	yes
	8	Venus 1	?	yes	VENUS	283 nm	NormOB	0.5	yes
	9	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.5	yes
	10	pre-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
	11	Venus 2	?	yes	VENUS	365 nm	NormOB	0.046	yes
	12	post-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
lir	13	Venus 1	?	yes	VENUS	10 um	(32,32)	N/A	no

## 2.66 0x17\_v4 (2016-09-29 -- ): dayside deluxe (IR1, IR2, UVI, LIR) ROI

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		7.833	yes
	2	Venus 1	1	yes	VENUS	0.90 um day		7.833	yes
	3	post-dark 1	3	no	DARK	dark		7.833	yes
ir2	4	pre-dark 1	5	no	DARK	dark		6.97	yes
	5	Venus 1	4	yes	VENUS	2.02 um		6.97	yes
	6	post-dark 1	6	no	DARK	dark		6.97	yes
uvi	7	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.5	yes
	8	Venus 1	?	yes	VENUS	283 nm	NormOB	0.5	yes
	9	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.5	yes
	10	pre-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
	11	Venus 2	?	yes	VENUS	365 nm	NormOB	0.046	yes
	12	post-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
lir	13	Venus 1	?	yes	VENUS	10 um	(32,32)	N/A	no

## 2.67 0x18\_v1 (2010-05-20 -- ): LIR single 3

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
lir	1	Venus 1	1	yes	VENUS	10 um	(1,1)	N/A	no

## 2.68 0x19\_v1 (2010-05-20 -- ): LIR\_m032\_n032

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
lir	1	Venus 1	1	yes	VENUS	10 um	(32,32)	N/A	no

## 2.69 0x1a\_v1 (2010-05-20 -- 2016-06-16): UVI exposure time test

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
uvi	1	signal 1	?	yes	any	283 nm	NormOB	0	no
	2	signal 2	?	yes	any	283 nm	NormOB	0.09	no
	3	signal 3	?	yes	any	283 nm	NormOB	0.128	no
	4	signal 4	?	yes	any	283 nm	NormOB	0.18	no
	5	signal 5	?	yes	any	283 nm	NormOB	0.25	no
	6	signal 6	?	yes	any	283 nm	NormOB	0.357	no
	7	signal 7	?	yes	any	283 nm	NormOB	0.5	no
	8	signal 8	?	yes	any	283 nm	NormOB	0.714	no
	9	signal 9	?	yes	any	365 nm	NormOB	0	no
	10	signal 10	?	yes	any	365 nm	NormOB	0.016	no
	11	signal 11	?	yes	any	365 nm	NormOB	0.0228	no
	12	signal 12	?	yes	any	365 nm	NormOB	0.032	no
	13	signal 13	?	yes	any	365 nm	NormOB	0.046	no
	14	signal 14	?	yes	any	365 nm	NormOB	0.064	no
	15	signal 15	?	yes	any	365 nm	NormOB	0.09	no
	16	signal 16	?	yes	any	365 nm	NormOB	0.128	no

## 2.70 0x1a\_v2 (2016-06-16 -- 2016-09-29): UVI health check (Diffuser flat)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
uvi	1	noise-0-exp 1	1	yes	SHUTTER	shutter	TopOB	0.0	no
	2	noise 1	2	yes	SHUTTER	shutter	TopOB	0.046	no
	3	signal-0-exp 1	3	yes	DIFFUSER	diffuser	TopOB	0.0	no
	4	signal 1	4	yes	DIFFUSER	diffuser	TopOB	0.046	no

## 2.71 0x1a\_v3 (2016-09-29 -- ): UVI health check (Diffuser flat)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
uvi	1	noise-0-exp 1	1	yes	SHUTTER	shutter	NormOB	0.0	no
	2	noise 1	2	yes	SHUTTER	shutter	NormOB	0.046	no
	3	signal-0-exp 1	3	yes	DIFFUSER	diffuser	NormOB	0.0	no
	4	signal 1	4	yes	DIFFUSER	diffuser	NormOB	0.046	no

## 2.72 0x1b\_v1 (2010-05-20 -- 2011-01-01): IR1 health check

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	3	no	DARK	dark		7.833	no
	2	cal. lamp	2	yes	CAL	dark		7.833	no
	3	Venus 1	1	yes	VENUS	0.90 um day		7.833	no
	4	post-dark 1	4	no	DARK	dark		7.833	no

## 2.73 0x1b\_v2 (2011-01-01 -- 2011-03-02): Venus photometry

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		7.833	no
	2	Venus 1	1	yes	VENUS	0.90 um day		7.833	no
	3	post-dark 1	3	no	DARK	dark		7.833	no
ir2	4	pre-dark 1	5	no	DARK	dark		6.97	no
	5	Venus 1	4	yes	VENUS	2.02 um		6.97	no
	6	post-dark 1	6	no	DARK	dark		6.97	no
uvi	7	pre-dark-0-exp 1	?	no	SHUTTER	shutter	NormOB	0.0	no
	8	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.25	no
	9	Venus-0-exp 1	?	no	VENUS	283 nm	NormOB	0.0	no
	10	Venus 1	?	yes	VENUS	283 nm	NormOB	0.25	no
	11	post-dark-0-exp 1	?	no	SHUTTER	shutter	NormOB	0.0	no
	12	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.25	no
	13	pre-dark-0-exp 2	?	no	SHUTTER	shutter	NormOB	0.0	no
	14	pre-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	no
	15	Venus-0-exp 2	?	no	VENUS	365 nm	NormOB	0.0	no
	16	Venus 2	?	yes	VENUS	365 nm	NormOB	0.046	no
	17	post-dark-0-exp 2	?	no	SHUTTER	shutter	NormOB	0.0	no
	18	post-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	no
lir	19	Venus 1	?	yes	VENUS	10 um	(1,1)	N/A	no
	20	Venus 2	?	yes	VENUS	10 um	(32,32)	N/A	no

## 2.74 0x1b\_v3 (2011-03-02 -- 2015-09-28): Venus photometry

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		7.833	no
	2	Venus 1	1	yes	VENUS	0.90 um day		7.833	no
	3	post-dark 1	3	no	DARK	dark		7.833	no
ir2	4	pre-dark 1	5	no	DARK	dark		6.97	no
	5	Venus 1	4	yes	VENUS	2.02 um		6.97	no
	6	post-dark 1	6	no	DARK	dark		6.97	no
uvi	7	pre-dark-0-exp 1	?	no	SHUTTER	shutter	NormOB	0.0	no
	8	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.714	no
	9	Venus-0-exp 1	?	no	VENUS	283 nm	NormOB	0.0	no
	10	Venus 1	?	yes	VENUS	283 nm	NormOB	0.714	no
	11	post-dark-0-exp 1	?	no	SHUTTER	shutter	NormOB	0.0	no
	12	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.714	no
	13	pre-dark-0-exp 2	?	no	SHUTTER	shutter	NormOB	0.0	no
	14	pre-dark 2	?	no	SHUTTER	shutter	NormOB	0.09	no
	15	Venus-0-exp 2	?	no	VENUS	365 nm	NormOB	0.0	no
	16	Venus 2	?	yes	VENUS	365 nm	NormOB	0.09	no
	17	post-dark-0-exp 2	?	no	SHUTTER	shutter	NormOB	0.0	no
18	post-dark 2	?	no	SHUTTER	shutter	NormOB	0.09	no	
lir	19	Venus 1	?	yes	VENUS	10 um	(1,1)	N/A	no
	20	Venus 2	?	yes	VENUS	10 um	(32,32)	N/A	no

## 2.75 0x1b\_v4 (2015-09-28 -- 2016-06-16): IR1 nightside deluxe ROI

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	3	no	DARK	dark		30.833	yes
	2	Venus 1	2	yes	VENUS	0.97 um		30.833	yes
	3	Venus 2	1	yes	VENUS	1.01 um		30.833	yes
	4	post-dark 1	4	no	DARK	dark		30.833	yes
	5	pre-dark 2	6	no	DARK	dark		30.833	yes
	6	Venus 3	5	yes	VENUS	0.90 um night		30.833	yes
	7	post-dark 2	7	no	DARK	dark		30.833	yes

## 2.76 0x1b\_v5 (2016-06-16 -- 2016-09-29): IR1 nightside deluxe ROI

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	3	no	DARK	dark		30.833	yes
	2	Venus 1	2	yes	VENUS	0.97 um		30.833	yes
	3	Venus 2	1	yes	VENUS	1.01 um		30.833	yes
	4	post-dark 1	4	no	DARK	dark		30.833	yes
	5	pre-dark 2	6	no	DARK	dark		30.833	yes
	6	Venus 3	5	yes	VENUS	0.90 um night		30.833	yes
	7	post-dark 2	7	no	DARK	dark		30.833	yes

**2.77 0x1b\_v6 (2016-09-29 -- ): dayside deluxe (IR1 smear correction, IR2, UVI, LIR) ROI**

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	dark signal 1	?	no	DARK	dark		7.833	yes
	2	0.90 um signal 1	?	yes	VENUS	0.90 um day		7.833	yes
	3	0.90 um smear 1	?	no	VENUS	0.90 um day		7.833	yes
	3	dark smear 1	?	no	DARK	dark		7.833	yes
ir2	4	pre-dark 1	?	no	DARK	dark		6.97	yes
	5	Venus 1	?	yes	VENUS	2.02 um		6.97	yes
	6	post-dark 1	?	no	DARK	dark		6.97	yes
uvi	7	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.5	yes
	8	Venus 1	?	yes	VENUS	283 nm	NormOB	0.5	yes
	9	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.5	yes
	10	pre-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
	11	Venus 2	?	yes	VENUS	365 nm	NormOB	0.046	yes
	12	post-dark 2	?	no	SHUTTER	shutter	NormOB	0.046	yes
lir	13	Venus 1	?	yes	VENUS	10 um	(32,32)	N/A	no

**2.78 0x1c\_v1 (2010-05-20 -- 2015-09-28): invalid**

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	3	no	DARK	dark		7.833	no
	2	cal. lamp	2	yes	CAL	dark		7.833	no
	3	signal 1	1	yes	any	0.90 um day		7.833	no
	4	post-dark 1	4	no	DARK	dark		7.833	no
ir2	5	pre-dark 1	7	no	DARK	dark		6.97	no
	6	cal. lamp	6	yes	CAL	DARK		6.97	no
	7	signal 1	5	yes	any	2.02 um		6.97	no
	8	post-dark 1	8	no	DARK	dark		6.97	no

**2.79 0x1c\_v2 (2015-09-28 -- 2016-06-16): IR1 nightside slim ROI**

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		30.833	yes
	2	Venus 1	1	yes	VENUS	1.01 um		30.833	yes
	3	post-dark 1	3	no	DARK	dark		30.833	yes

**2.80 0x1c\_v3 (2016-06-16 -- 2016-09-29): IR1 nightside slim ROI**

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		30.833	yes
	2	Venus 1	1	yes	VENUS	1.01 um		30.833	yes
	3	post-dark 1	3	no	DARK	dark		30.833	yes

**2.81 0x1c\_v4 (2016-09-29 -- ): IR1 flat (smear correction)**

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	diffuser signal 1	?	yes	DIFFUSER	diffuser		7.833	yes
	2	diffuser smear 1	?	yes	DIFFUSER	diffuser		7.833	yes
	3	dark signal 1	?	yes	DARK	dark		7.833	yes
	4	dark smear 1	?	yes	DARK	dark		7.833	yes

### 2.82 0x1d\_v1 (2010-05-20 -- 2016-06-16): LIR raw data for health check

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
lir	1	Venus 1	1	yes	VENUS	10 um	(128,32)	N/A	no
	2	Venus 2	2	yes	VENUS	10 um	(64,32)	N/A	no
	3	Venus 3	3	yes	VENUS	10 um	(32,32)	N/A	no
	4	Venus 4	4	yes	VENUS	10 um	(16,32)	N/A	no
	5	Venus 5	5	yes	VENUS	10 um	(8,32)	N/A	no
	6	Venus 6	6	yes	VENUS	10 um	(4,32)	N/A	no
	7	Venus 7	7	yes	VENUS	10 um	(2,32)	N/A	no
	8	Venus 8	8	yes	VENUS	10 um	(1,32)	N/A	no

### 2.83 0x1d\_v2 (2016-06-16 -- 2016-09-29): LIR for vicinity scan

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
lir	1	Venus 1	1	yes	VENUS	10 um	(32,1)x32	N/A	no

### 2.84 0x1d\_v3 (2016-09-29 -- ): LIR for vicinity scan

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
lir	1	Venus 1	1	yes	VENUS	10 um	(32,1)x32	N/A	no

### 2.85 0x1e\_v1 (2010-05-20 -- ): LIR OFPN setup sequence

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?

### 2.86 0x1f\_v1 (2010-05-20 -- 2015-09-28): Earth (IR1, IR2, UVI, LIR)

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		7.833	no
	2	Earth	1	yes	EARTH	0.90 um day		7.833	no
	3	post-dark 1	3	no	DARK	dark		7.833	no
ir2	4	pre-dark 1	5	no	DARK	dark		6.97	no
	5	Earth	4	yes	EARTH	2.02 um		6.97	no
	6	post-dark 1	6	no	DARK	dark		6.97	no
uvi	7	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.128	no
	8	Earth 1	?	yes	EARTH	365 nm	NormOB	0.128	no
	9	Earth 2	?	yes	EARTH	365 nm	NormOB	0.09	no
	10	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.128	no
lir	11	Venus 1	?	yes	VENUS	10 um	(1,1)	N/A	no
	12	Venus 2	?	yes	VENUS	10 um	(32,32)	N/A	no

**2.87 0x1f\_v2 (2015-09-28 -- 2016-06-16): dayside slim (IR1, IR2, UVI, LIR) ROI**

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		7.833	yes
	2	Venus 1	1	yes	VENUS	0.90 um day		7.833	yes
	3	post-dark 1	3	no	DARK	dark		7.833	yes
ir2	4	pre-dark 1	5	no	DARK	dark		6.97	yes
	5	Venus 1	4	yes	VENUS	2.02 um		6.97	yes
	6	post-dark 1	6	no	DARK	dark		6.97	yes
uvi	7	pre-dark 1	?	no	SHUTTER	shutter	NormOB	0.046	yes
	8	Venus 1	?	yes	VENUS	365 nm	NormOB	0.046	yes
	9	post-dark 1	?	no	SHUTTER	shutter	NormOB	0.046	yes
lir	10	Venus 1	?	yes	VENUS	10 um	(32,32)	N/A	no

**2.88 0x1f\_v3 (2016-06-16 -- 2016-09-29): dayside slim (IR1, IR2, LIR) ROI**

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		7.833	yes
	2	Venus 1	1	yes	VENUS	0.90 um day		7.833	yes
	3	post-dark 1	3	no	DARK	dark		7.833	yes
ir2	4	pre-dark 1	5	no	DARK	dark		6.97	yes
	5	Venus 1	4	yes	VENUS	2.02 um		6.97	yes
	6	post-dark 1	6	no	DARK	dark		6.97	yes
lir	7	Venus 1	7	yes	VENUS	10 um	(32,32)	N/A	no

**2.89 0x1f\_v4 (2016-09-29 -- ): dayside slim (IR1, IR2, LIR) ROI**

cam	#	kind	rec-#	rec?	object	filter	mode	exp (s)	median?
ir1	1	pre-dark 1	2	no	DARK	dark		7.833	yes
	2	Venus 1	1	yes	VENUS	0.90 um day		7.833	yes
	3	post-dark 1	3	no	DARK	dark		7.833	yes
ir2	4	pre-dark 1	5	no	DARK	dark		6.97	yes
	5	Venus 1	4	yes	VENUS	2.02 um		6.97	yes
	6	post-dark 1	6	no	DARK	dark		6.97	yes
lir	7	Venus 1	7	yes	VENUS	10 um	(32,32)	N/A	no