

Observer: CoilPerrotta,Ning
 Instrument: KCWI
 SA: Josh Walawender
 OA: Arina Rostopchina
 Data Directory: /s/data1400/kcwi1/2021mar19

No.	Camera	Object	ImType	GroupID	State Name	Target	LST	UT	RA	DEC	AIRMASS	Exptime	Binning	Ampmode	CCD Speed	CCD Mode	Blue Grating	Blue Filter	Central wave	NS mask	IFU	Rot Mode	Sky PA	Cal Type	FeAr	TbAr	Continuum	Comment
kb210319_0001.fits	BLUE	TEST	BIAS	2021-03-19-1	undefined	unknown	02:00:12.52	00:38:58.34	03:52:00.00	+45:00:00.0	1.41	0.0	2.2	TUP	0	0	None	None	0.0	Open	Home	stationary	0.0	unknown	OFF	OFF	OFF	
1	fpv	TEST	'KeyError! (1)	'KeyError! (1)		unknown	02:01:33.32	00:36:18.92	03:52:00.00	+45:00:00.0	1.41	1.0	4									stationary	unknown	OFF	OFF	OFF		
kb210319_0002.fits	BLUE	focus	BIAS	2021-03-19-2	kcwi_focus	unknown	02:24:00.33	00:58:42.26	03:52:00.00	+45:00:00.0	1.41	1.5	2.2	TBO	1	1	BM	KBlue	4499.9458008	Open	Medium	stationary	0.0	chars	OFF	OFF	ON	
kb210319_0003.fits	BLUE	focus	BIAS	2021-03-19-3	kcwi_focus	unknown	02:24:27.95	00:59:09.80	03:52:00.00	+45:00:00.0	1.41	1.5	2.2	TBO	1	1	BM	KBlue	4500.0087891	Open	Medium	stationary	0.0	chars	OFF	OFF	ON	
kb210319_0004.fits	BLUE	focus	BIAS	2021-03-19-4	kcwi_focus	unknown	02:24:55.56	00:59:37.34	03:52:00.00	+45:00:00.0	1.41	1.5	2.2	TBO	1	1	BM	KBlue	4500.0087891	Open	Medium	stationary	0.0	chars	OFF	OFF	ON	
kb210319_0005.fits	BLUE	focus	BIAS	2021-03-19-5	kcwi_focus	unknown	02:25:23.18	01:00:04.88	03:52:00.00	+45:00:00.0	1.41	1.5	2.2	TBO	1	1	BM	KBlue	4499.9775391	Open	Medium	stationary	0.0	chars	OFF	OFF	ON	
kb210319_0006.fits	BLUE	focus	BIAS	2021-03-19-6	kcwi_focus	unknown	02:25:50.80	01:00:32.42	03:52:00.00	+45:00:00.0	1.41	1.5	2.2	TBO	1	1	BM	KBlue	4499.9775391	Open	Medium	stationary	0.0	chars	OFF	OFF	ON	
kb210319_0007.fits	BLUE	focus	BIAS	2021-03-19-7	kcwi_focus	unknown	02:26:19.43	01:01:00.98	03:52:00.00	+45:00:00.0	1.41	1.5	2.2	TBO	1	1	BM	KBlue	4499.9775391	Open	Medium	stationary	0.0	chars	OFF	OFF	ON	
kb210319_0008.fits	BLUE	focus	BIAS	2021-03-19-8	kcwi_focus	unknown	02:26:47.05	01:01:28.52	03:52:00.00	+45:00:00.0	1.41	1.5	2.2	TBO	1	1	BM	KBlue	4499.9775391	Open	Medium	stationary	0.0	chars	OFF	OFF	ON	
kb210319_0009.fits	BLUE	focus	BIAS	2021-03-19-9	kcwi_focus	unknown	02:27:14.66	01:01:56.06	03:52:00.00	+45:00:00.0	1.41	1.5	2.2	TBO	1	1	BM	KBlue	4499.9458008	Open	Medium	stationary	0.0	chars	OFF	OFF	ON	
kb210319_0010.fits	BLUE	focus	BIAS	2021-03-19-10	kcwi_focus	unknown	02:27:42.78	01:02:23.60	03:52:00.00	+45:00:00.0	1.41	1.5	2.2	TBO	1	1	BM	KBlue	4499.9775391	Open	Medium	stationary	0.0	chars	OFF	OFF	ON	
kb210319_0011.fits	BLUE	BIAS/Dark/0.0 sec.	BIAS	2021-03-19-11	Shared Bias	unknown	02:35:31.74	01:10:11.78	03:52:00.00	+45:00:00.0	1.41	0.0	2.2	TUP	0	0	BL	None	5299.906259	Open	Medium	stationary	0.0	dark	OFF	OFF	OFF	
kb210319_0012.fits	BLUE	BIAS/Dark/0.0 sec.	BIAS	2021-03-19-11	Shared Bias	unknown	02:36:31.06	01:11:10.94	03:52:00.00	+45:00:00.0	1.41	0.0	2.2	TUP	0	0	BL	None	5299.8330078	Open	Medium	stationary	0.0	dark	OFF	OFF	OFF	
kb210319_0013.fits	BLUE	BIAS/Dark/0.0 sec.	BIAS	2021-03-19-11	Shared Bias	unknown	02:37:31.41	01:11:21.12	03:52:00.00	+45:00:00.0	1.41	0.0	2.2	TUP	0	0	BL	None	5299.7602539	Open	Medium	stationary	0.0	dark	OFF	OFF	OFF	
kb210319_0014.fits	BLUE	BIAS/Dark/0.0 sec.	BIAS	2021-03-19-11	Shared Bias	unknown	02:38:31.75	01:13:11.30	03:52:00.00	+45:00:00.0	1.41	0.0	2.2	TUP	0	0	BL	None	5299.8330078	Open	Medium	stationary	0.0	dark	OFF	OFF	OFF	
kb210319_0015.fits	BLUE	BIAS/Dark/0.0 sec.	BIAS	2021-03-19-11	Shared Bias	unknown	02:39:32.10	01:14:11.48	03:52:00.00	+45:00:00.0	1.41	0.0	2.2	TUP	0	0	BL	None	5299.8330078	Open	Medium	stationary	0.0	dark	OFF	OFF	OFF	
kb210319_0016.fits	BLUE	BIAS/Dark/0.0 sec.	BIAS	2021-03-19-11	Shared Bias	unknown	02:40:32.44	01:15:11.66	03:52:00.00	+45:00:00.0	1.41	0.0	2.2	TUP	0	0	BL	None	5299.90625	Open	Medium	stationary	0.0	dark	OFF	OFF	OFF	
kb210319_0017.fits	BLUE	BIAS/Dark/0.0 sec.	BIAS	2021-03-19-11	Shared Bias	unknown	02:41:32.79	01:16:11.84	03:52:00.00	+45:00:00.0	1.41	0.0	2.2	TUP	0	0	BL	None	5299.8330078	Open	Medium	stationary	0.0	dark	OFF	OFF	OFF	
kb210319_0018.fits	BLUE	CONT/MedBarsA/0.7 sec.	CONTBARS	2021-03-19-18	ewave5300	unknown	02:43:02.79	01:17:41.60	03:52:00.00	+45:00:00.0	1.41	0.7	2.2	ALL	1	1	BL	None	5299.7602539	Open	Medium	stationary	0.0	chars	OFF	OFF	ON	
kb210319_0019.fits	BLUE	FEAR/FlatA/10.0 sec.	ARCLAMP	2021-03-19-19	ewave5300	unknown	02:44:03.14	01:18:41.78	03:52:00.00	+45:00:00.0	1.41	10.0	2.2	ALL	1	1	BL	None	5299.7602539	Open	Medium	stationary	0.0	arcflat	ON (Open)	OFF	OFF	
kb210319_0020.fits	BLUE	THAR/FlatA/20.0 sec.	ARCLAMP	2021-03-19-20	ewave5300	unknown	02:44:54.28	01:19:32.78	03:52:00.00	+45:00:00.0	1.41	20.0	2.2	ALL	1	1	BL	None	5299.8330078	Open	Medium	stationary	0.0	arcflat	OFF	ON (Open)	OFF	
kb210319_0021.fits	BLUE	CONT/FlatA/0.7 sec.	FLATLAMP	2021-03-19-21	ewave5300	unknown	02:45:25.98	01:20:04.40	03:52:00.00	+45:00:00.0	1.41	0.7	2.2	TUP	0	0	BL	None	5299.90625	Open	Medium	stationary	0.0	eflat	OFF	OFF	ON	
kb210319_0022.fits	BLUE	CONT/FlatA/0.7 sec.	FLATLAMP	2021-03-19-21	ewave5300	unknown	02:46:26.33	01:21:04.58	03:52:00.00	+45:00:00.0	1.41	0.7	2.2	TUP	0	0	BL	None	5299.8330078	Open	Medium	stationary	0.0	eflat	OFF	OFF	ON	
kb210319_0023.fits	BLUE	CONT/FlatA/0.7 sec.	FLATLAMP	2021-03-19-21	ewave5300	unknown	02:47:26.67	01:22:04.76	03:52:00.00	+45:00:00.0	1.41	0.7	2.2	TUP	0	0	BL	None	5299.8330078	Open	Medium	stationary	0.0	eflat	OFF	OFF	ON	
kb210319_0024.fits	BLUE	CONT/FlatA/0.7 sec.	FLATLAMP	2021-03-19-21	ewave5300	unknown	02:48:28.04	01:23:05.96	03:52:00.00	+45:00:00.0	1.41	0.7	2.2	TUP	0	0	BL	None	5299.8330078	Open	Medium	stationary	0.0	eflat	OFF	OFF	ON	
kb210319_0025.fits	BLUE	CONT/FlatA/0.7 sec.	FLATLAMP	2021-03-19-21	ewave5300	unknown	02:49:28.39	01:24:06.14	03:52:00.00	+45:00:00.0	1.41	0.7	2.2	TUP	0	0	BL	None	5299.8330078	Open	Medium	stationary	0.0	eflat	OFF	OFF	ON	
kb210319_0026.fits	BLUE	CONT/FlatA/0.7 sec.	FLATLAMP	2021-03-19-21	ewave5300	unknown	02:50:29.75	01:25:07.34	03:52:00.00	+45:00:00.0	1.41	0.7	2.2	TUP	0	0	BL	None	5299.8330078	Open	Medium	stationary	0.0	eflat	OFF	OFF	ON	
kb210319_0027.fits	BLUE	CONT/MedBarsA/0.7 sec.	CONTBARS	2021-03-19-27	ewave5200	unknown	02:54:38.29	01:29:15.20	03:52:00.00	+45:00:00.0	1.41	0.7	2.2	ALL	1	1	BL	None	5199.9067383	Open	Medium	stationary	0.0	chars	OFF	OFF	ON	
kb210319_0028.fits	BLUE	FEAR/FlatA/10.0 sec.	ARCLAMP	2021-03-19-28	ewave5200	unknown	02:55:38.64	01:30:15.38	03:52:00.00	+45:00:00.0	1.41	10.0	2.2	ALL	1	1	BL	None	5199.9799805	Open	Medium	stationary	0.0	arcflat	ON (Open)	OFF	OFF	
kb210319_0029.fits	BLUE	THAR/FlatA/20.0 sec.	ARCLAMP	2021-03-19-29	ewave5200	unknown	02:56:29.78	01:31:06.38	03:52:00.00	+45:00:00.0	1.41	20.0	2.2	ALL	1	1	BL	None	5199.9067383	Open	Medium	stationary	0.0	arcflat	OFF	ON (Open)	OFF	
kb210319_0030.fits	BLUE	CONT/FlatA/0.7 sec.	FLATLAMP	2021-03-19-30	ewave5200	unknown	02:57:01.48	01:31:38.00	03:52:00.00	+45:00:00.0	1.41	0.7	2.2	TUP	0	0	BL	None	5199.9067383	Open	Medium	stationary	0.0	eflat	OFF	OFF	ON	
kb210319_0031.fits	BLUE	CONT/FlatA/0.7 sec.	FLATLAMP	2021-03-19-30	ewave5200	unknown	02:58:02.97	01:32:39.32	03:52:00.00	+45:00:00.0	1.41	0.7	2.2	TUP	0	0	BL	None	5199.8334961	Open	Medium	stationary	0.0	eflat	OFF	OFF	ON	
kb210319_0032.fits	BLUE	CONT/FlatA/0.7 sec.	FLATLAMP	2021-03-19-30	ewave5200	unknown	02:59:04.34	01:33:40.52	03:52:00.00	+45:00:00.0	1.41	0.7	2.2	TUP	0	0	BL	None	5199.9067383	Open	Medium	stationary	0.0	eflat	OFF	OFF	ON	
kb210319_0033.fits	BLUE	CONT/FlatA/0.7 sec.	FLATLAMP	2021-03-19-30	ewave5200	unknown	03:00:04.68	01:34:40.70	03:52:00.00	+45:00:00.0	1.41	0.7	2.2	TUP	0	0	BL	None	5199.9067383	Open	Medium	stationary	0.0	eflat	OFF	OFF	ON	
kb210319_0034.fits	BLUE	CONT/FlatA/0.7 sec.	FLATLAMP	2021-03-19-30	ewave5200	unknown	03:01:06.05	01:35:41.90	03:52:00.00	+45:00:00.0	1.41	0.7	2.2	TUP	0	0	BL	None	5199.9067383	Open	Medium	stationary	0.0	eflat	OFF	OFF	ON	
kb210319_0035.fits	BLUE	CONT/FlatA/0.7 sec.	FLATLAMP	2021-03-19-30	ewave5200	unknown	03:02:06.40	01:36:42.08	03:52:00.00	+45:00:00.0	1.41	0.7	2.2	TUP	0	0	BL	None	5199.9067383	Open	Medium	stationary	0.0	eflat	OFF	OFF	ON	
kb210319_0036.fits	BLUE	DOME/Dark/14.0 sec.	DOMEFLAT	2021-03-19-36	ewave5200	unknown	03:04:34.70	01:39:09.98	03:52:00.00	+45:00:00.0	1.41	14.0	2.2	TUP	0	0	BL	None	5199.9067383	Open	Medium	stationary	0.0	object	OFF	OFF	OFF	
kb210319_0037.fits	BLUE	DOME/Dark/14.0 sec.	DOMEFLAT	2021-03-19-36	ewave5200	unknown	03:05:49.36	01:40:24.44	03:52:00.00	+45:00:00.0	1.41	14.0	2.2	TUP	0	0	BL	None	5199.9067383	Open	Medium	stationary	0.0	object	OFF	OFF	OFF	
kb210319_0038.fits	BLUE	DOME/Dark/14.0 sec.	DOMEFLAT	2021-03-19-36	ewave5200	unknown	03:07:04.03	01:41:38.90	03:52:00.00	+45:00:00.0	1.41	14.0	2.2	TUP	0	0	BL	None	5199.9067383	Open	Medium	stationary	0.0	object	OFF	OFF	OFF	
kb210319_0039.fits	BLUE	CONT/MedBarsA/0.7 sec.	CONTBARS	2021-03-19-39	ewave4900	unknown	03:10:21.43	01:44:55.76	03:52:00.00	+45:00:00.0	1.41	0.7	2.2	ALL	1	1	BL	None	4899									