Broad-band monitoring tracing the evolution of the jet and disc in the black hole candidate X-ray binary MAXI J1659-152

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Table 2. UV, optical and nIR observations

Epoch (MJD)	Telescope	Filter	Magnitude
55468.050	SMARTS	H	14.70±0.13
55468.995	SMARTS	H	14.85±0.12
55469.999	SMARTS	H	14.88±0.21
55470.990	SMARTS	H	14.90±0.18
55472.002	SMARTS	H	15.02±0.08
55472.985	SMARTS	H	15.22±0.15
55476.002	SMARTS	H	15.33±0.14
55476.994	SMARTS	H	15.60±0.14
55478.010	SMARTS	H	15.40±0.14
55478.997	SMARTS	H	15.50±0.18
55479.997	SMARTS	H	15.49±0.14
55481.006	SMARTS	H	15.54±0.24
55483.002	SMARTS	H	15.51±0.21
55468.044	SMARTS	J	15.13±0.13
55468.990	SMARTS	J	15.27±0.19
55469.993	SMARTS	J	15.26±0.10
55470.984	SMARTS	J	15.32±0.21
55471.996	SMARTS	J	15.26±0.16
55472.979	SMARTS	J	15.41±0.23
55475.996	SMARTS	J	15.52±0.11
55476.988	SMARTS	J	15.84±0.21
55478.004	SMARTS	J	15.68±0.11
55478.991	SMARTS	J	15.76±0.10
55479.991	SMARTS	J	15.70±0.10
55481.001	SMARTS	J	15.83±0.10
55482.997	SMARTS	J	15.79±0.06
56497.977	3.5m CAHA	J	21.05±0.17
55710.964	2.2m CAHA	z	18.45±0.10
55464.836	IAC80	I	16.09±0.05
55486.768	1.23m CAHA	I	16.59±0.08
55641.198	1.23m CAHA	I	17.95±0.23
55685.141	2.0m LT	i	19.87±0.05
55708.960	2.2m CAHA	i	18.72±0.05
55709.981	2.2m CAHA	i	18.77±0.09
55710.041	2.2m CAHA	i	18.59±0.15
55710.958	2.2m CAHA	i	18.79±0.06
55464.826	IAC80	R	16.59±0.06
55464.834	IAC80	R	16.61±0.05
55464.838	BOOTES-2	R	16.59±0.09
55464.838	IAC80	R	16.58±0.06
55464.839	IAC80	R	16.62±0.05
55464.840	IAC80	R	16.59±0.06
55464.840	IAC80	R	16.56±0.06
55464.841	IAC80	R	16.58±0.06
55464.841	IAC80	R	16.56±0.06
55464.842	IAC80	R	16.59±0.06
55464.842	IAC80	R	16.57±0.06
55464.843	IAC80	R	16.55±0.06
55464.843	IAC80	R	16.56±0.07
55464.846	IAC80	R	16.57±0.07
55464.849	IAC80	R	16.54±0.07
55466.799	BOOTES-2	R	16.45±0.07
55468.798	BOOTES-2	R	16.41±0.06
55469.790	BOOTES-2	R	16.59±0.06
55641.195	1.23m CAHA	R	18.57±0.21
55470.793	BOOTES-2	r	16.69±0.20
55474.358	BOOTES-3	r	16.78±0.11

Table 2 – *continued* UV, optical and nIR observations

Epoch (MJD)	Telescope	Filter	Magnitude
55474.383	BOOTES-3	r	16.74±0.11
55475.314	BOOTES-3	r	17.01±0.11
55475.336	BOOTES-3	r	17.02±0.11
55475.357	BOOTES-3	r	16.98±0.11
55475.378	BOOTES-3	r	16.95±0.11
55475.399	BOOTES-3	r	16.84±0.11
55708.960	2.2m CAHA	r	19.03±0.04
55709.981	2.2m CAHA	r	19.09±0.04
55710.041	2.2m CAHA	r	19.15±0.12
55710.961	2.2m CAHA	r	19.05±0.05
55464.627	UVOT	V	16.775±0.032
55464.832	IAC80	V	16.94±0.03
55465.258	UVOT	V	16.676±0.032
55465.735	UVOT	V	16.571±0.038
55466.303	UVOT	V	16.525±0.031
55467.635	UVOT	V	16.450±0.036
55482.813	UVOT	V	17.197±0.083
55483.489	UVOT	V	17.171±0.067
55484.025	UVOT	V	17.211±0.080
55485.028	UVOT	V	16.974±0.068
55486.031	UVOT	V	17.046±0.068
55487.036	UVOT	V	17.441±0.096
55488.040	UVOT	V	17.178±0.079
55489.044	UVOT	V	17.082±0.075
55490.042	UVOT	V	17.337±0.107
55491.045	UVOT	V	17.258±0.092
55598.791	UVOT	V	18.576±0.284
55620.663	UVOT	V	>18.588
55634.878	UVOT	V	18.756±0.303
55641.195	1.23m CAHA	V	18.67±0.21
55647.369	UVOT	V	>18.963
55669.437	UVOT	V	>18.798
55687.980	UVOT	V	19.253±0.298
55702.627	UVOT	V	18.562±0.214
55717.735	UVOT	V	>18.662
55721.224	UVOT	V	>18.642
55725.361	UVOT	V	>18.661
55729.780	UVOT	V	>18.622
55733.057	UVOT	V	>18.625
55737.405	UVOT	V	>18.788
55741.027	UVOT	V	>18.745
55745.765	UVOT	V	>18.648
55749.584	UVOT	V	>18.658
55757.421	UVOT	V	>18.610
55759.752	UVOT	V	>18.554
55761.296	UVOT	V	>18.344
55470.793	BOOTES-2	g	17.31±0.15
55476.785	BOOTES-2	g	17.42±0.17
55708.960	2.2m CAHA	g	19.60±0.07
55709.981	2.2m CAHA	g	19.66±0.05
55710.041	2.2m CAHA	g	19.81±0.19
55710.961	2.2m CAHA	g	19.62±0.07
55464.666	UVOT	B	17.114±0.023
55464.830	IAC80	B	17.38±0.07
55465.334	UVOT	B	17.014±0.026
55465.727	UVOT	B	16.883±0.028
55466.291	UVOT	B	16.818±0.023

Table 2 – *continued* UV, optical and nIR observations

Epoch (MJD)	Telescope	Filter	Magnitude
55466.628	UVOT	B	16.804±0.030
55467.629	UVOT	B	16.795±0.027
55482.823	UVOT	B	17.378±0.046
55483.502	UVOT	B	17.529±0.045
55484.035	UVOT	B	17.482±0.049
55485.038	UVOT	B	17.366±0.046
55486.042	UVOT	B	17.460±0.048
55487.046	UVOT	B	17.761±0.061
55488.050	UVOT	B	17.483±0.050
55489.054	UVOT	B	17.538±0.053
55490.050	UVOT	B	17.769±0.072
55491.055	UVOT	B	17.613±0.059
55598.851	UVOT	B	18.908±0.128
55620.657	UVOT	B	19.183±0.288
55634.872	UVOT	B	19.434±0.240
55641.198	1.23m CAHA	B	19.71±0.48
55647.363	UVOT	B	19.507±0.252
55669.431	UVOT	B	>19.745
55687.975	UVOT	B	19.624±0.177
55702.620	UVOT	B	19.281±0.176
55717.730	UVOT	B	>19.600
55721.219	UVOT	B	19.440±0.342
55725.356	UVOT	B	>19.607
55729.775	UVOT	B	19.073±0.256
55733.052	UVOT	B	>19.585
55737.399	UVOT	B	>19.738
55741.021	UVOT	B	>19.702
55745.760	UVOT	B	>19.605
55749.579	UVOT	B	>19.595
55757.483	UVOT	B	>19.963
55759.748	UVOT	B	>19.512
55761.428	UVOT	B	>19.893
55464.662	UVOT	U	16.144±0.025
55465.267	UVOT	U	16.036±0.025
55465.725	UVOT	U	15.905±0.028
55466.288	UVOT	U	15.845±0.025
55466.625	UVOT	U	15.787±0.059
55467.628	UVOT	U	15.816±0.027
55468.494	UVOT	U	15.840±0.025
55482.819	UVOT	U	16.450±0.037
55483.496	UVOT	U	16.468±0.034
55484.030	UVOT	U	16.565±0.039
55485.033	UVOT	U	16.382±0.036
55486.037	UVOT	U	16.510±0.037
55487.041	UVOT	U	16.698±0.041
55488.046	UVOT	U	16.550±0.039
55489.049	UVOT	U	16.591±0.040
55490.046	UVOT	U	16.725±0.047
55491.050	UVOT	U	16.678±0.042
55598.850	UVOT	U	18.624±0.132
55620.656	UVOT	U	18.498±0.215
55634.871	UVOT	U	18.469±0.146
55647.362	UVOT	U	19.112±0.244
55669.629	UVOT	U	>19.660
55687.974	UVOT	U	19.078±0.151
55702.619	UVOT	U	18.715±0.149
55717.729	UVOT	U	18.770±0.265

Table 2 – *continued* UV, optical and nIR observations

Epoch (MJD)	Telescope	Filter	Magnitude
55721.218	UVOT	U	18.762±0.268
55725.355	UVOT	U	18.685±0.242
55729.774	UVOT	U	19.125±0.356
55733.051	UVOT	U	19.132±0.351
55737.397	UVOT	U	18.896±0.263
55741.020	UVOT	U	18.591±0.216
55745.759	UVOT	U	19.184±0.375
55749.578	UVOT	U	>19.275
55757.482	UVOT	U	>19.635
55759.747	UVOT	U	>19.202
55761.427	UVOT	U	>19.567
55708.960	2.2m CAHA	u	19.81±0.05
55709.981	2.2m CAHA	u	19.83±0.07
55710.041	2.2m CAHA	u	19.66±0.17
55710.961	2.2m CAHA	u	20.04±0.28
55464.656	UVOT	UVW1	16.438±0.024
55465.260	UVOT	UVW1	16.307±0.024
55465.723	UVOT	UVW1	16.196±0.027
55466.284	UVOT	UVW1	16.117±0.024
55467.626	UVOT	UVW1	16.103±0.026
55471.384	UVOT	UVW1	16.240±0.025
55472.120	UVOT	UVW1	16.317±0.027
55475.400	UVOT	UVW1	16.505±0.025
55476.128	UVOT	UVW1	16.483±0.029
55476.664	UVOT	UVW1	16.528±0.029
55479.073	UVOT	UVW1	16.697±0.035
55479.541	UVOT	UVW1	16.723±0.031
55482.891	UVOT	UVW1	16.639±0.047
55484.576	UVOT	UVW1	16.848±0.052
55485.505	UVOT	UVW1	16.823±0.053
55488.578	UVOT	UVW1	16.765±0.054
55489.527	UVOT	UVW1	16.993±0.063
55490.586	UVOT	UVW1	17.112±0.070
55491.257	UVOT	UVW1	17.165±0.071
55598.848	UVOT	UVW1	18.844±0.120
55620.654	UVOT	UVW1	19.022±0.257
55634.869	UVOT	UVW1	19.459±0.251
55647.361	UVOT	UVW1	19.150±0.208
55669.628	UVOT	UVW1	>20.034
55687.973	UVOT	UVW1	19.722±0.204
55702.616	UVOT	UVW1	19.395±0.211
55717.727	UVOT	UVW1	19.349±0.341
55721.216	UVOT	UVW1	18.815±0.235
55725.353	UVOT	UVW1	19.126±0.284
55729.773	UVOT	UVW1	19.286±0.325
55733.050	UVOT	UVW1	19.360±0.353
55737.396	UVOT	UVW1	>19.658
55741.019	UVOT	UVW1	>19.614
55745.758	UVOT	UVW1	>19.419
55749.577	UVOT	UVW1	>19.490
55757.481	UVOT	UVW1	>19.905
55759.746	UVOT	UVW1	>19.412
55761.426	UVOT	UVW1	>19.846
55464.623	UVOT	UVW2	16.548±0.028
55465.324	UVOT	UVW2	16.470±0.028
55465.732	UVOT	UVW2	16.326±0.025
55466.297	UVOT	UVW2	16.251±0.023

Table 2 – *continued* UV, optical and nIR observations

Epoch (MJD)	Telescope	Filter	Magnitude
55467.632	UVOT	UVW2	16.245±0.024
55469.478	UVOT	UVW2	16.399±0.026
55473.392	UVOT	UVW2	16.506±0.025
55477.132	UVOT	UVW2	16.602±0.030
55477.668	UVOT	UVW2	16.819±0.031
55482.880	UVOT	UVW2	16.853±0.050
55484.565	UVOT	UVW2	17.014±0.052
55485.494	UVOT	UVW2	17.094±0.055
55488.569	UVOT	UVW2	17.111±0.057
55489.519	UVOT	UVW2	17.095±0.060
55490.579	UVOT	UVW2	17.366±0.072
55491.249	UVOT	UVW2	17.348±0.069
55598.852	UVOT	UVW2	19.249±0.100
55620.660	UVOT	UVW2	19.859±0.302
55634.875	UVOT	UVW2	19.889±0.214
55647.366	UVOT	UVW2	19.751±0.201
55669.434	UVOT	UVW2	>20.301
55687.977	UVOT	UVW2	20.305±0.201
55702.624	UVOT	UVW2	19.505±0.143
55717.732	UVOT	UVW2	19.880±0.310
55721.222	UVOT	UVW2	19.441±0.231
55725.358	UVOT	UVW2	19.291±0.201
55729.778	UVOT	UVW2	19.463±0.232
55733.055	UVOT	UVW2	19.332±0.216
55737.402	UVOT	UVW2	19.624±0.235
55741.024	UVOT	UVW2	19.672±0.250
55745.763	UVOT	UVW2	19.993±0.344
55749.582	UVOT	UVW2	>20.115
55757.484	UVOT	UVW2	>20.230
55759.750	UVOT	UVW2	>20.005
55761.430	UVOT	UVW2	>20.298
55464.633	UVOT	UVM2	16.950±0.033
55465.250	UVOT	UVM2	16.835±0.029
55465.739	UVOT	UVM2	16.687±0.032
55466.270	UVOT	UVM2	16.683±0.033
55467.638	UVOT	UVM2	16.602±0.032
55470.481	UVOT	UVM2	16.702±0.031
55474.362	UVOT	UVM2	17.023±0.032
55478.136	UVOT	UVM2	17.174±0.042
55478.671	UVOT	UVM2	17.202±0.042
55482.886	UVOT	UVM2	17.228±0.072
55484.571	UVOT	UVM2	17.435±0.077
55485.500	UVOT	UVM2	17.519±0.082
55488.574	UVOT	UVM2	17.511±0.084
55489.523	UVOT	UVM2	17.451±0.087
55490.583	UVOT	UVM2	17.760±0.107
55491.253	UVOT	UVM2	17.674±0.100
55598.794	UVOT	UVM2	19.738±0.296
55620.666	UVOT	UVM2	>19.757
55634.880	UVOT	UVM2	20.274±0.374
55647.370	UVOT	UVM2	>20.039
55669.440	UVOT	UVM2	>19.817
55687.982	UVOT	UVM2	>20.656
55702.630	UVOT	UVM2	19.713±0.240
55717.737	UVOT	UVM2	>19.584
55721.226	UVOT	UVM2	>19.728
55725.363	UVOT	UVM2	>19.763

Table 2 – *continued* UV, optical and nIR observations

Epoch (MJD)	Telescope	Filter	Magnitude
55729.782	UVOT	UVM2	>19.587
55733.059	UVOT	UVM2	>19.648
55737.407	UVOT	UVM2	>19.720
55741.029	UVOT	UVM2	19.780±0.369
55745.767	UVOT	UVM2	>19.724
55749.586	UVOT	UVM2	>19.752
55757.423	UVOT	UVM2	>19.720
55759.754	UVOT	UVM2	>19.625
55761.298	UVOT	UVM2	>19.405