

ASTROSAT  
View Opportunity Duration  
System(RUN) time in U.T: 2019 10 1 16 20 17 0

Celestial Source Name : XTEJ1739285      RA(deg): 264.97100    Dec(deg): -28.49600  
Epoch(UT): 2019 10 2 8 18 9 0  
Propagation duration in days: 29.000000

Entry and Exit timings of the source viewing

orbno	Entrance(UT)						Exit(UT)						dur(min)		
021686	2019	10	02	08	20	41	850	2019	10	02	09	01	58	307	41.274
021687	2019	10	02	09	58	06	285	2019	10	02	10	42	09	000	44.045
021688	2019	10	02	11	35	30	912	2019	10	02	12	26	09	000	50.635
021689	2019	10	02	13	12	55	410	2019	10	02	14	11	09	000	58.226
021690	2019	10	02	14	50	19	937	2019	10	02	15	31	36	789	41.281
021691	2019	10	02	15	34	09	000	2019	10	02	15	55	09	000	21.000
021691	2019	10	02	16	27	44	507	2019	10	02	17	09	01	478	41.283
021692	2019	10	02	17	17	09	000	2019	10	02	17	40	09	000	23.000
021692	2019	10	02	18	05	08	925	2019	10	02	18	46	26	065	41.286
021693	2019	10	02	18	59	09	000	2019	10	02	19	24	09	000	25.000
021693	2019	10	02	19	42	33	572	2019	10	02	20	23	50	677	41.285
021694	2019	10	02	20	41	09	000	2019	10	02	21	09	09	000	28.000
021694	2019	10	02	21	19	58	052	2019	10	02	22	01	15	361	41.288
021695	2019	10	02	22	24	09	000	2019	10	02	22	53	09	000	29.000
021695	2019	10	02	22	57	22	602	2019	10	02	23	38	39	903	41.288
021696	2019	10	03	00	07	09	000	2019	10	03	01	16	04	606	68.927
021697	2019	10	03	01	50	09	000	2019	10	03	02	53	29	153	63.336
021698	2019	10	03	03	35	09	000	2019	10	03	04	30	53	777	55.746
021699	2019	10	03	05	22	09	000	2019	10	03	06	08	18	424	46.157
021700	2019	10	03	07	04	25	257	2019	10	03	07	45	42	976	41.295
021701	2019	10	03	08	41	49	787	2019	10	03	09	23	07	693	41.298
021733	2019	10	05	11	50	09	000	2019	10	05	11	51	09	000	1.000
021734	2019	10	05	12	38	54	665	2019	10	05	13	36	09	000	57.239
021735	2019	10	05	14	16	19	185	2019	10	05	14	57	38	874	41.328
021735	2019	10	05	14	58	09	000	2019	10	05	15	20	09	000	22.000
021736	2019	10	05	15	53	43	759	2019	10	05	16	35	03	514	41.329
021736	2019	10	05	16	40	09	000	2019	10	05	17	04	09	000	24.000
021737	2019	10	05	17	31	08	183	2019	10	05	18	12	28	019	41.331
021737	2019	10	05	18	22	09	000	2019	10	05	18	49	09	000	27.000
021738	2019	10	05	19	08	32	825	2019	10	05	19	49	52	581	41.329
021738	2019	10	05	20	05	09	000	2019	10	05	20	33	09	000	28.000
021739	2019	10	05	20	45	57	312	2019	10	05	21	27	17	187	41.331
021739	2019	10	05	21	47	09	000	2019	10	05	22	18	09	000	31.000
021740	2019	10	05	22	23	21	859	2019	10	05	23	04	41	679	41.330
021740	2019	10	05	23	31	09	000	2019	10	06	00	42	06	334	70.956
021741	2019	10	06	01	15	09	000	2019	10	06	02	19	30	805	64.363
021742	2019	10	06	03	01	09	000	2019	10	06	03	56	55	381	55.773
021743	2019	10	06	04	50	09	000	2019	10	06	05	34	19	956	44.183
021745	2019	10	06	06	30	24	543	2019	10	06	07	11	44	460	41.332
021746	2019	10	06	08	07	49	086	2019	10	06	08	49	09	129	41.334
021747	2019	10	06	09	45	13	556	2019	10	06	10	30	09	000	44.924
021748	2019	10	06	11	22	38	177	2019	10	06	12	14	09	000	51.514
021749	2019	10	06	13	00	02	637	2019	10	06	13	59	09	000	59.106
021750	2019	10	06	14	37	27	238	2019	10	06	15	18	47	221	41.333
021750	2019	10	06	15	20	09	000	2019	10	06	15	43	09	000	23.000
021751	2019	10	06	16	14	51	767	2019	10	06	16	56	11	862	41.335
021751	2019	10	06	17	02	09	000	2019	10	06	17	28	09	000	26.000
021752	2019	10	06	17	52	16	267	2019	10	06	18	33	36	313	41.334
021752	2019	10	06	18	44	09	000	2019	10	06	19	12	09	000	28.000
021753	2019	10	06	19	29	40	871	2019	10	06	20	11	00	918	41.334
021753	2019	10	06	20	27	09	000	2019	10	06	20	57	09	000	30.000
021754	2019	10	06	21	07	05	319	2019	10	06	21	48	25	432	41.335
021754	2019	10	06	22	10	09	000	2019	10	06	22	41	09	000	31.000
021755	2019	10	06	22	44	29	946	2019	10	06	23	25	49	962	41.334
021755	2019	10	06	23	53	09	000	2019	10	07	01	03	14	576	70.093
021756	2019	10	07	01	38	09	000	2019	10	07	02	40	39	038	62.501

021757	2019	10	07	03	26	09	000	2019	10	07	04	18	03	659	51.911
021759	2019	10	07	05	14	08	016	2019	10	07	05	55	28	143	41.335
021760	2019	10	07	06	51	32	670	2019	10	07	07	32	52	687	41.334
021761	2019	10	07	08	28	57	172	2019	10	07	09	10	17	273	41.335
021762	2019	10	07	10	06	21	731	2019	10	07	10	53	09	000	46.788
021763	2019	10	07	11	43	46	305	2019	10	07	12	37	09	000	53.378
021764	2019	10	07	13	21	10	759	2019	10	07	14	22	09	000	60.971
021765	2019	10	07	14	58	35	412	2019	10	07	15	39	55	396	41.333
021765	2019	10	07	15	42	09	000	2019	10	07	16	06	09	000	24.000
021766	2019	10	07	16	35	59	901	2019	10	07	17	17	19	954	41.334
021766	2019	10	07	17	24	09	000	2019	10	07	17	51	09	000	27.000
021767	2019	10	07	18	13	24	490	2019	10	07	18	54	44	442	41.333
021767	2019	10	07	19	06	09	000	2019	10	07	19	35	09	000	29.000
021768	2019	10	07	19	50	49	049	2019	10	07	20	32	09	094	41.334
021768	2019	10	07	20	49	09	000	2019	10	07	21	20	09	000	31.000
021769	2019	10	07	21	28	13	535	2019	10	07	22	09	33	518	41.333
021769	2019	10	07	22	32	09	000	2019	10	07	23	04	09	000	32.000
021770	2019	10	07	23	05	38	173	2019	10	07	23	46	58	092	41.332
021770	2019	10	08	00	16	09	000	2019	10	08	01	24	22	623	68.227
021771	2019	10	08	02	03	09	000	2019	10	08	03	01	47	124	58.635
021772	2019	10	08	03	52	09	000	2019	10	08	04	39	11	751	47.046
021774	2019	10	08	05	35	16	333	2019	10	08	06	16	36	187	41.331
021775	2019	10	08	07	12	40	955	2019	10	08	07	54	00	778	41.330
021776	2019	10	08	08	50	05	421	2019	10	08	09	31	25	280	41.331
021777	2019	10	08	10	27	30	069	2019	10	08	11	16	09	000	48.649
021778	2019	10	08	12	04	54	602	2019	10	08	13	00	09	000	55.240
021779	2019	10	08	13	42	19	153	2019	10	08	14	45	09	000	62.831
021780	2019	10	08	15	19	43	761	2019	10	08	16	01	03	454	41.328
021780	2019	10	08	16	03	09	000	2019	10	08	16	29	09	000	26.000
021781	2019	10	08	16	57	08	217	2019	10	08	17	38	27	928	41.329
021781	2019	10	08	17	46	09	000	2019	10	08	18	14	09	000	28.000
021782	2019	10	08	18	34	32	894	2019	10	08	19	15	52	459	41.326
021782	2019	10	08	19	28	09	000	2019	10	08	19	58	09	000	30.000
021783	2019	10	08	20	11	57	415	2019	10	08	20	53	17	036	41.327
021783	2019	10	08	21	11	09	000	2019	10	08	21	43	09	000	32.000
021784	2019	10	08	21	49	21	998	2019	10	08	22	30	41	499	41.325
021784	2019	10	08	22	55	09	000	2019	10	09	00	08	06	124	72.952
021785	2019	10	09	00	40	09	000	2019	10	09	01	45	30	569	65.359
021786	2019	10	09	02	28	09	000	2019	10	09	03	22	55	116	54.769
021788	2019	10	09	04	18	09	000	2019	10	09	05	00	19	668	42.178
021789	2019	10	09	05	56	24	870	2019	10	09	06	37	44	145	41.321
021790	2019	10	09	07	33	49	450	2019	10	09	08	15	08	788	41.322
021791	2019	10	09	09	11	13	965	2019	10	09	09	54	09	000	42.917
021792	2019	10	09	10	48	38	623	2019	10	09	11	39	09	000	50.506
021793	2019	10	09	12	26	03	123	2019	10	09	13	23	09	000	57.098
021794	2019	10	09	14	03	27	770	2019	10	09	15	08	09	000	64.687
021795	2019	10	09	15	40	52	339	2019	10	09	16	22	11	412	41.318
021795	2019	10	09	16	25	09	000	2019	10	09	16	52	09	000	27.000
021796	2019	10	09	17	18	16	888	2019	10	09	17	59	35	839	41.316
021796	2019	10	09	18	08	09	000	2019	10	09	18	37	09	000	29.000
021797	2019	10	09	18	55	41	533	2019	10	09	19	37	00	421	41.315
021797	2019	10	09	19	50	09	000	2019	10	09	20	21	09	000	31.000
021798	2019	10	09	20	33	06	022	2019	10	09	21	14	24	921	41.315
021798	2019	10	09	21	34	09	000	2019	10	09	22	06	09	000	32.000
021799	2019	10	09	22	10	30	702	2019	10	09	22	51	49	429	41.312
021799	2019	10	09	23	18	09	000	2019	10	10	00	29	14	030	71.084
021800	2019	10	10	01	05	09	000	2019	10	10	02	06	38	472	61.491
021802	2019	10	10	02	54	09	000	2019	10	10	03	44	03	073	49.901
021803	2019	10	10	04	40	08	954	2019	10	10	05	21	27	547	41.310
021804	2019	10	10	06	17	33	666	2019	10	10	06	58	52	072	41.307
021805	2019	10	10	07	54	58	212	2019	10	10	08	36	16	650	41.307
021806	2019	10	10	09	32	22	832	2019	10	10	10	17	09	000	44.769
021807	2019	10	10	11	09	47	450	2019	10	10	12	02	09	000	52.359
021808	2019	10	10	12	47	11	968	2019	10	10	13	46	09	000	58.951
021809	2019	10	10	14	24	36	666	2019	10	10	15	31	09	000	66.539
021810	2019	10	10	16	02	01	201	2019	10	10	16	43	19	272	41.301
021810	2019	10	10	16	47	09	000	2019	10	10	17	15	09	000	28.000

021811	2019	10	10	17	39	25	857	2019	10	10	18	20	43	746	41.298
021811	2019	10	10	18	30	09	000	2019	10	10	19	00	09	000	30.000
021812	2019	10	10	19	16	50	463	2019	10	10	19	58	08	386	41.299
021812	2019	10	10	20	13	09	000	2019	10	10	20	44	09	000	31.000
021813	2019	10	10	20	54	15	019	2019	10	10	21	35	32	808	41.296
021813	2019	10	10	21	57	09	000	2019	10	10	22	29	09	000	32.000
021814	2019	10	10	22	31	39	703	2019	10	10	23	12	57	370	41.294
021814	2019	10	10	23	42	09	000	2019	10	11	00	50	21	900	68.215
021815	2019	10	11	01	30	09	000	2019	10	11	02	27	46	391	57.623
021817	2019	10	11	03	20	09	000	2019	10	11	04	05	11	020	45.034
021818	2019	10	11	05	01	18	109	2019	10	11	05	42	35	447	41.289
021819	2019	10	11	06	38	42	779	2019	10	11	07	20	00	029	41.287
021820	2019	10	11	08	16	07	296	2019	10	11	08	57	24	536	41.287
021821	2019	10	11	09	53	32	022	2019	10	11	10	40	09	000	46.616
021822	2019	10	11	11	30	56	606	2019	10	11	12	25	09	000	54.207
021823	2019	10	11	13	08	21	240	2019	10	11	14	09	09	000	60.796
021824	2019	10	11	14	45	45	897	2019	10	11	15	27	02	699	41.280
021824	2019	10	11	15	27	09	000	2019	10	11	15	54	09	000	27.000
021825	2019	10	11	16	23	10	428	2019	10	11	17	04	27	181	41.279
021825	2019	10	11	17	09	09	000	2019	10	11	17	38	09	000	29.000
021826	2019	10	11	18	00	35	167	2019	10	11	18	41	51	710	41.276
021826	2019	10	11	18	52	09	000	2019	10	11	19	23	09	000	31.000
021827	2019	10	11	19	37	59	741	2019	10	11	20	19	16	296	41.276
021827	2019	10	11	20	35	09	000	2019	10	11	21	07	09	000	32.000
021828	2019	10	11	21	15	24	413	2019	10	11	21	56	40	758	41.272
021828	2019	10	11	22	20	09	000	2019	10	11	22	52	09	000	32.000
021829	2019	10	11	22	52	49	059	2019	10	11	23	34	05	382	41.272
021829	2019	10	12	00	06	09	000	2019	10	12	01	11	29	840	65.347
021831	2019	10	12	01	56	09	000	2019	10	12	02	48	54	388	52.756
021832	2019	10	12	03	45	02	921	2019	10	12	04	26	18	953	41.267
021833	2019	10	12	05	22	27	633	2019	10	12	06	03	43	433	41.263
021834	2019	10	12	06	59	52	267	2019	10	12	07	41	08	080	41.264
021835	2019	10	12	08	37	16	882	2019	10	12	09	19	09	000	41.869
021836	2019	10	12	10	14	41	594	2019	10	12	11	04	09	000	49.457
021837	2019	10	12	11	52	06	149	2019	10	12	12	48	09	000	56.048
021838	2019	10	12	13	29	30	899	2019	10	12	14	32	09	000	62.635
021839	2019	10	12	15	06	55	523	2019	10	12	15	48	10	768	41.254
021839	2019	10	12	15	49	09	000	2019	10	12	16	17	09	000	28.000
021840	2019	10	12	16	44	20	180	2019	10	12	17	25	35	205	41.250
021840	2019	10	12	17	31	09	000	2019	10	12	18	01	09	000	30.000
021841	2019	10	12	18	21	44	880	2019	10	12	19	02	59	796	41.249
021841	2019	10	12	19	14	09	000	2019	10	12	19	46	09	000	32.000
021842	2019	10	12	19	59	09	434	2019	10	12	20	40	24	317	41.248
021842	2019	10	12	20	58	09	000	2019	10	12	21	30	09	000	32.000
021843	2019	10	12	21	36	34	216	2019	10	12	22	17	48	837	41.244
021843	2019	10	12	22	44	09	000	2019	10	12	23	55	13	460	71.074
021844	2019	10	13	00	32	09	000	2019	10	13	01	32	37	916	60.482
021846	2019	10	13	02	22	09	000	2019	10	13	03	10	02	532	47.892
021847	2019	10	13	04	06	12	817	2019	10	13	04	47	27	030	41.237
021848	2019	10	13	05	43	37	585	2019	10	13	06	24	51	572	41.233
021849	2019	10	13	07	21	02	190	2019	10	13	08	02	16	175	41.233
021850	2019	10	13	08	58	26	932	2019	10	13	09	42	09	000	43.701
021851	2019	10	13	10	35	51	608	2019	10	13	11	27	09	000	51.290
021852	2019	10	13	12	13	16	254	2019	10	13	13	11	09	000	57.879
021853	2019	10	13	13	50	41	009	2019	10	13	14	56	09	000	65.467
021854	2019	10	13	15	28	05	605	2019	10	13	16	09	18	915	41.222
021854	2019	10	13	16	11	09	000	2019	10	13	16	40	09	000	29.000
021855	2019	10	13	17	05	30	390	2019	10	13	17	46	43	413	41.217
021855	2019	10	13	17	54	09	000	2019	10	13	18	25	09	000	31.000
021856	2019	10	13	18	42	55	055	2019	10	13	19	24	08	079	41.217
021856	2019	10	13	19	37	09	000	2019	10	13	20	09	09	000	32.000
021857	2019	10	13	20	20	19	747	2019	10	13	21	01	32	530	41.213
021857	2019	10	13	21	22	09	000	2019	10	13	21	54	09	000	32.000
021858	2019	10	13	21	57	44	489	2019	10	13	22	38	57	120	41.211
021858	2019	10	13	23	08	09	000	2019	10	14	00	16	21	683	68.211
021860	2019	10	14	00	58	09	000	2019	10	14	01	53	46	203	55.620
021861	2019	10	14	02	47	09	000	2019	10	14	03	31	10	866	44.031

021862	2019	10	14	04	27	23	299	2019	10	14	05	08	35	324	41.200
021863	2019	10	14	06	04	48	029	2019	10	14	06	45	59	939	41.198

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Total View duration(does not account all operational constraints) of the source(RA: 264.971000(degrees) Dec: -28.496000(degrees) for the given user period is : 14248.000000(min)

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# ASTROSAT View opportunity duration in Eclipse(UVIT)

Celestial Source Name : XTEJ1739285                      RA(deg): 264.97100    Dec(deg): -28.49600  
Epoch(UT): 2019 10 2 8 18 9 0  
Propagation duration in days: 29.000000

## Entry and Exit timings of the source viewing duration in eclipse(UVIT)

orbno	Entrance(UT)							Exit(UT)							dur(min)
021686	2019	10	02	08	20	41	850	2019	10	02	08	37	51	212	17.156
021687	2019	10	02	09	58	06	285	2019	10	02	10	15	17	265	17.183
021688	2019	10	02	11	35	30	912	2019	10	02	11	52	43	113	17.203
021689	2019	10	02	13	12	55	410	2019	10	02	13	30	09	293	17.231
021690	2019	10	02	14	50	19	937	2019	10	02	15	07	35	043	17.252
021691	2019	10	02	16	27	44	507	2019	10	02	16	45	01	119	17.277
021692	2019	10	02	18	05	08	925	2019	10	02	18	22	27	003	17.301
021693	2019	10	02	19	42	33	572	2019	10	02	19	59	52	971	17.323
021694	2019	10	02	21	01	58	733	2019	10	02	21	09	09	000	7.171
021694	2019	10	02	21	19	58	052	2019	10	02	21	37	18	991	17.349
021695	2019	10	02	22	39	24	715	2019	10	02	22	53	09	000	13.738
021695	2019	10	02	22	57	22	602	2019	10	02	23	14	44	855	17.371
021696	2019	10	03	00	16	50	653	2019	10	03	00	52	11	004	35.339
021697	2019	10	03	01	54	16	495	2019	10	03	02	29	36	770	35.338
021698	2019	10	03	03	35	09	000	2019	10	03	04	07	02	865	31.898
021699	2019	10	03	05	22	09	000	2019	10	03	05	44	28	714	22.329
021700	2019	10	03	07	04	25	257	2019	10	03	07	21	54	700	17.491
021701	2019	10	03	08	41	49	787	2019	10	03	08	59	20	686	17.515
021734	2019	10	05	12	38	54	665	2019	10	05	12	57	11	074	18.273
021735	2019	10	05	14	16	19	185	2019	10	05	14	34	36	818	18.294
021736	2019	10	05	15	53	43	759	2019	10	05	16	12	02	890	18.319
021737	2019	10	05	17	31	08	183	2019	10	05	17	49	28	716	18.342
021738	2019	10	05	19	08	32	825	2019	10	05	19	26	54	678	18.364
021738	2019	10	05	20	28	59	160	2019	10	05	20	33	09	000	4.164
021739	2019	10	05	20	45	57	312	2019	10	05	21	04	20	642	18.389
021739	2019	10	05	22	06	25	132	2019	10	05	22	18	09	000	11.731
021740	2019	10	05	22	23	21	859	2019	10	05	22	41	46	499	18.411
021740	2019	10	05	23	43	51	048	2019	10	06	00	19	12	595	35.359
021741	2019	10	06	01	21	16	880	2019	10	06	01	56	38	353	35.358
021742	2019	10	06	03	01	09	000	2019	10	06	03	34	04	442	32.924
021743	2019	10	06	04	50	09	000	2019	10	06	05	11	30	237	21.354
021745	2019	10	06	06	30	24	543	2019	10	06	06	48	56	215	18.528
021746	2019	10	06	08	07	49	086	2019	10	06	08	26	22	150	18.551
021747	2019	10	06	09	45	13	556	2019	10	06	10	03	48	023	18.574
021748	2019	10	06	11	22	38	177	2019	10	06	11	41	14	091	18.599
021749	2019	10	06	13	00	02	637	2019	10	06	13	18	39	863	18.620
021750	2019	10	06	14	37	27	238	2019	10	06	14	56	05	969	18.646
021751	2019	10	06	16	14	51	767	2019	10	06	16	33	31	734	18.666
021752	2019	10	06	17	52	16	267	2019	10	06	18	10	57	728	18.691
021753	2019	10	06	19	29	40	871	2019	10	06	19	48	23	634	18.713
021753	2019	10	06	20	50	27	891	2019	10	06	20	57	09	000	6.685
021754	2019	10	06	21	07	05	319	2019	10	06	21	25	49	522	18.737
021754	2019	10	06	22	27	53	769	2019	10	06	22	41	09	000	13.254
021755	2019	10	06	22	44	29	946	2019	10	06	23	03	15	563	18.760
021755	2019	10	07	00	05	19	647	2019	10	07	00	40	41	350	35.362
021756	2019	10	07	01	42	45	632	2019	10	07	02	18	07	473	35.364

021757	2019	10	07	03	26	09	000	2019	10	07	03	55	33	208	29.403
021759	2019	10	07	05	14	08	016	2019	10	07	05	32	59	219	18.853
021760	2019	10	07	06	51	32	670	2019	10	07	07	10	25	096	18.874
021761	2019	10	07	08	28	57	172	2019	10	07	08	47	51	000	18.897
021762	2019	10	07	10	06	21	731	2019	10	07	10	25	17	013	18.921
021763	2019	10	07	11	43	46	305	2019	10	07	12	02	42	814	18.942
021764	2019	10	07	13	21	10	759	2019	10	07	13	40	08	955	18.970
021765	2019	10	07	14	58	35	412	2019	10	07	15	17	34	661	18.987
021766	2019	10	07	16	35	59	901	2019	10	07	16	55	00	688	19.013
021767	2019	10	07	18	13	24	490	2019	10	07	18	32	26	538	19.034
021767	2019	10	07	19	34	30	625	2019	10	07	19	35	09	000	0.640
021768	2019	10	07	19	50	49	049	2019	10	07	20	09	52	457	19.057
021768	2019	10	07	21	11	56	468	2019	10	07	21	20	09	000	8.209
021769	2019	10	07	21	28	13	535	2019	10	07	21	47	18	443	19.082
021769	2019	10	07	22	49	22	392	2019	10	07	23	04	09	000	14.777
021770	2019	10	07	23	05	38	173	2019	10	07	23	24	44	259	19.101
021770	2019	10	08	00	26	48	340	2019	10	08	01	02	10	376	35.367
021771	2019	10	08	02	04	14	122	2019	10	08	02	39	36	094	35.366
021772	2019	10	08	03	52	09	000	2019	10	08	04	17	02	138	24.886
021774	2019	10	08	05	35	16	333	2019	10	08	05	54	27	960	19.194
021775	2019	10	08	07	12	40	955	2019	10	08	07	31	53	895	19.216
021776	2019	10	08	08	50	05	421	2019	10	08	09	09	19	855	19.241
021777	2019	10	08	10	27	30	069	2019	10	08	10	46	45	686	19.260
021778	2019	10	08	12	04	54	602	2019	10	08	12	24	11	778	19.286
021779	2019	10	08	13	42	19	153	2019	10	08	14	01	37	510	19.306
021780	2019	10	08	15	19	43	761	2019	10	08	15	39	03	571	19.330
021781	2019	10	08	16	57	08	217	2019	10	08	17	16	29	366	19.352
021782	2019	10	08	18	34	32	894	2019	10	08	18	53	55	316	19.374
021782	2019	10	08	19	55	59	159	2019	10	08	19	58	09	000	2.164
021783	2019	10	08	20	11	57	415	2019	10	08	20	31	21	251	19.397
021783	2019	10	08	21	33	25	128	2019	10	08	21	43	09	000	9.731
021784	2019	10	08	21	49	21	998	2019	10	08	22	08	47	097	19.418
021784	2019	10	08	23	10	51	041	2019	10	08	23	46	13	164	35.369
021785	2019	10	09	00	48	16	871	2019	10	09	01	23	38	910	35.367
021786	2019	10	09	02	28	09	000	2019	10	09	03	01	04	988	32.933
021788	2019	10	09	04	18	09	000	2019	10	09	04	38	30	756	20.363
021789	2019	10	09	05	56	24	870	2019	10	09	06	15	56	722	19.531
021790	2019	10	09	07	33	49	450	2019	10	09	07	53	22	631	19.553
021791	2019	10	09	09	11	13	965	2019	10	09	09	30	48	492	19.575
021792	2019	10	09	10	48	38	623	2019	10	09	11	08	14	535	19.599
021793	2019	10	09	12	26	03	123	2019	10	09	12	45	40	296	19.620
021794	2019	10	09	14	03	27	770	2019	10	09	14	23	06	390	19.644
021795	2019	10	09	15	40	52	339	2019	10	09	16	00	32	132	19.663
021796	2019	10	09	17	18	16	888	2019	10	09	17	37	58	114	19.687
021797	2019	10	09	18	55	41	533	2019	10	09	19	15	23	998	19.708
021797	2019	10	09	20	17	27	864	2019	10	09	20	21	09	000	3.686
021798	2019	10	09	20	33	06	022	2019	10	09	20	52	49	874	19.731
021798	2019	10	09	21	54	53	743	2019	10	09	22	06	09	000	11.254
021799	2019	10	09	22	10	30	702	2019	10	09	22	30	15	892	19.753
021799	2019	10	09	23	32	19	620	2019	10	10	00	07	41	668	35.367
021800	2019	10	10	01	09	45	605	2019	10	10	01	45	07	779	35.370
021802	2019	10	10	02	54	09	000	2019	10	10	03	22	33	494	28.408
021803	2019	10	10	04	40	08	954	2019	10	10	04	59	59	493	19.842
021804	2019	10	10	06	17	33	666	2019	10	10	06	37	25	351	19.861
021805	2019	10	10	07	54	58	212	2019	10	10	08	14	51	243	19.884
021806	2019	10	10	09	32	22	832	2019	10	10	09	52	17	237	19.907
021807	2019	10	10	11	09	47	450	2019	10	10	11	29	43	027	19.926
021808	2019	10	10	12	47	11	968	2019	10	10	13	07	09	151	19.953
021809	2019	10	10	14	24	36	666	2019	10	10	14	44	34	844	19.970
021810	2019	10	10	16	02	01	201	2019	10	10	16	22	00	859	19.994
021811	2019	10	10	17	39	25	857	2019	10	10	17	59	26	692	20.014
021812	2019	10	10	19	16	50	463	2019	10	10	19	36	52	599	20.036
021812	2019	10	10	20	38	56	445	2019	10	10	20	44	09	000	5.209
021813	2019	10	10	20	54	15	019	2019	10	10	21	14	18	569	20.059
021813	2019	10	10	22	16	22	369	2019	10	10	22	29	09	000	12.777
021814	2019	10	10	22	31	39	703	2019	10	10	22	51	44	374	20.078
021814	2019	10	10	23	53	48	318	2019	10	11	00	29	10	474	35.369

021815	2019	10	11	01	31	14	101	2019	10	11	02	06	36	181	35.368
021817	2019	10	11	03	20	09	000	2019	10	11	03	44	02	212	23.887
021818	2019	10	11	05	01	18	109	2019	10	11	05	21	28	020	20.165
021819	2019	10	11	06	38	42	779	2019	10	11	06	58	53	942	20.186
021820	2019	10	11	08	16	07	296	2019	10	11	08	36	19	889	20.210
021821	2019	10	11	09	53	32	022	2019	10	11	10	13	45	708	20.228
021822	2019	10	11	11	30	56	606	2019	10	11	11	51	11	786	20.253
021823	2019	10	11	13	08	21	240	2019	10	11	13	28	37	506	20.271
021824	2019	10	11	14	45	45	897	2019	10	11	15	06	03	553	20.294
021825	2019	10	11	16	23	10	428	2019	10	11	16	43	29	336	20.315
021826	2019	10	11	18	00	35	167	2019	10	11	18	20	55	273	20.335
021826	2019	10	11	19	22	59	144	2019	10	11	19	23	09	000	0.164
021827	2019	10	11	19	37	59	741	2019	10	11	19	58	21	196	20.358
021827	2019	10	11	21	00	25	112	2019	10	11	21	07	09	000	6.731
021828	2019	10	11	21	15	24	413	2019	10	11	21	35	47	029	20.377
021828	2019	10	11	22	37	51	026	2019	10	11	22	52	09	000	14.300
021829	2019	10	11	22	52	49	059	2019	10	11	23	13	13	084	20.400
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021831	2019	10	12	01	56	09	000	2019	10	12	02	28	04	880	31.931
021832	2019	10	12	03	45	02	921	2019	10	12	04	05	30	638	20.462
021833	2019	10	12	05	22	27	633	2019	10	12	05	42	56	590	20.483
021834	2019	10	12	06	59	52	267	2019	10	12	07	20	22	489	20.504
021835	2019	10	12	08	37	16	882	2019	10	12	08	57	48	335	20.524
021836	2019	10	12	10	14	41	594	2019	10	12	10	35	14	368	20.546
021837	2019	10	12	11	52	06	149	2019	10	12	12	12	40	114	20.566
021838	2019	10	12	13	29	30	899	2019	10	12	13	50	06	193	20.588
021839	2019	10	12	15	06	55	523	2019	10	12	15	27	31	925	20.607
021840	2019	10	12	16	44	20	180	2019	10	12	17	04	57	892	20.629
021841	2019	10	12	18	21	44	880	2019	10	12	18	42	23	766	20.648
021841	2019	10	12	19	44	27	840	2019	10	12	19	46	09	000	1.686
021842	2019	10	12	19	59	09	434	2019	10	12	20	19	49	627	20.670
021842	2019	10	12	21	21	53	717	2019	10	12	21	30	09	000	8.255
021843	2019	10	12	21	36	34	216	2019	10	12	21	57	15	636	20.690
021843	2019	10	12	22	59	19	592	2019	10	12	23	34	41	396	35.363
021844	2019	10	13	00	36	45	575	2019	10	13	01	12	07	489	35.365
021846	2019	10	13	02	22	09	000	2019	10	13	02	49	33	196	27.403
021847	2019	10	13	04	06	12	817	2019	10	13	04	26	59	177	20.773
021848	2019	10	13	05	43	37	585	2019	10	13	06	04	25	027	20.791
021849	2019	10	13	07	21	02	190	2019	10	13	07	41	50	901	20.812
021850	2019	10	13	08	58	26	932	2019	10	13	09	19	16	887	20.833
021851	2019	10	13	10	35	51	608	2019	10	13	10	56	42	659	20.851
021852	2019	10	13	12	13	16	254	2019	10	13	12	34	08	767	20.875
021853	2019	10	13	13	50	41	009	2019	10	13	14	11	34	449	20.891
021854	2019	10	13	15	28	05	605	2019	10	13	15	49	00	444	20.914
021855	2019	10	13	17	05	30	390	2019	10	13	17	26	26	269	20.931
021856	2019	10	13	18	42	55	055	2019	10	13	19	03	52	156	20.952
021857	2019	10	13	20	05	56	380	2019	10	13	20	09	09	000	3.210
021857	2019	10	13	20	20	19	747	2019	10	13	20	41	18	119	20.973
021858	2019	10	13	21	43	22	298	2019	10	13	21	54	09	000	10.778
021858	2019	10	13	21	57	44	489	2019	10	13	22	18	43	902	20.990
021859	2019	10	13	23	20	48	243	2019	10	13	23	56	09	995	35.363
021860	2019	10	14	00	58	14	020	2019	10	14	01	33	35	681	35.361
021861	2019	10	14	02	47	09	000	2019	10	14	03	11	01	689	23.878
021862	2019	10	14	04	27	23	299	2019	10	14	04	48	27	490	21.070
021863	2019	10	14	06	04	48	029	2019	10	14	06	25	53	389	21.089

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ASTROSAT  
occult duration

Celestial Source Name : XTEJ1739285      RA(deg): 264.97100      Dec(deg): -28.49600  
Epoch(UT): 2019 10 2 8 18 9 0  
Propagation duration in days: 29.000000

## Entry and Exit timings of the Occult duration of source

orbno	Entrance(UT)							Exit(UT)							dur(min)
021686	2019	10	02	08	20	41	850	2019	10	02	09	01	58	307	41.2743
021687	2019	10	02	09	58	06	285	2019	10	02	10	39	22	934	41.2775
021688	2019	10	02	11	35	30	912	2019	10	02	12	16	47	535	41.2771
021689	2019	10	02	13	12	55	410	2019	10	02	13	54	12	256	41.2808
021690	2019	10	02	14	50	19	937	2019	10	02	15	31	36	789	41.2809
021691	2019	10	02	16	27	44	507	2019	10	02	17	09	01	478	41.2829
021692	2019	10	02	18	05	08	925	2019	10	02	18	46	26	065	41.2857
021693	2019	10	02	19	42	33	572	2019	10	02	20	23	50	677	41.2851
021694	2019	10	02	21	19	58	052	2019	10	02	22	01	15	361	41.2885
021695	2019	10	02	22	57	22	602	2019	10	02	23	38	39	903	41.2884
021696	2019	10	03	00	34	47	151	2019	10	03	01	16	04	606	41.2909
021697	2019	10	03	02	12	11	594	2019	10	03	02	53	29	153	41.2926
021698	2019	10	03	03	49	36	221	2019	10	03	04	30	53	777	41.2926
021699	2019	10	03	05	27	00	684	2019	10	03	06	08	18	424	41.2957
021700	2019	10	03	07	04	25	257	2019	10	03	07	45	42	976	41.2953
021701	2019	10	03	08	41	49	787	2019	10	03	09	23	07	693	41.2984
021702	2019	10	03	10	19	14	256	2019	10	03	11	00	32	201	41.2991
021703	2019	10	03	11	56	38	862	2019	10	03	12	37	56	837	41.2996
021704	2019	10	03	13	34	03	308	2019	10	03	14	15	21	448	41.3023
021705	2019	10	03	15	11	27	904	2019	10	03	15	52	46	010	41.3018
021706	2019	10	03	16	48	52	417	2019	10	03	17	30	10	715	41.3050
021707	2019	10	03	18	26	16	910	2019	10	03	19	07	35	210	41.3050
021708	2019	10	03	20	03	41	497	2019	10	03	20	44	59	859	41.3060
021709	2019	10	03	21	41	05	928	2019	10	03	22	22	24	434	41.3084
021710	2019	10	03	23	18	30	546	2019	10	03	23	59	49	007	41.3077
021711	2019	10	04	00	55	55	042	2019	10	04	01	37	13	678	41.3106
021712	2019	10	04	02	33	19	561	2019	10	04	03	14	38	183	41.3104
021713	2019	10	04	04	10	44	129	2019	10	04	04	52	02	846	41.3120
021714	2019	10	04	05	48	08	545	2019	10	04	06	29	27	385	41.3140
021715	2019	10	04	07	25	33	186	2019	10	04	08	06	51	970	41.3131
021716	2019	10	04	09	02	57	665	2019	10	04	09	44	16	608	41.3157
021717	2019	10	04	10	40	22	209	2019	10	04	11	21	41	123	41.3152
021718	2019	10	04	12	17	46	759	2019	10	04	12	59	05	800	41.3173
021719	2019	10	04	13	55	11	196	2019	10	04	14	36	30	302	41.3184
021720	2019	10	04	15	32	35	824	2019	10	04	16	13	54	900	41.3179
021721	2019	10	04	17	10	00	289	2019	10	04	17	51	19	504	41.3203
021722	2019	10	04	18	47	24	857	2019	10	04	19	28	44	030	41.3195
021723	2019	10	04	20	24	49	391	2019	10	04	21	06	08	722	41.3222
021724	2019	10	04	22	02	13	855	2019	10	04	22	43	33	188	41.3222
021725	2019	10	04	23	39	38	465	2019	10	05	00	20	57	799	41.3222
021726	2019	10	05	01	17	02	915	2019	10	05	01	58	22	370	41.3243
021728	2019	10	05	02	54	27	508	2019	10	05	03	35	46	907	41.3233
021729	2019	10	05	04	31	52	025	2019	10	05	05	13	11	574	41.3258
021730	2019	10	05	06	09	16	517	2019	10	05	06	50	36	045	41.3255
021731	2019	10	05	07	46	41	109	2019	10	05	08	28	00	670	41.3260
021732	2019	10	05	09	24	05	545	2019	10	05	10	05	25	208	41.3277
021733	2019	10	05	11	01	30	163	2019	10	05	11	42	49	757	41.3266
021734	2019	10	05	12	38	54	665	2019	10	05	13	20	14	393	41.3288
021735	2019	10	05	14	16	19	185	2019	10	05	14	57	38	874	41.3282
021736	2019	10	05	15	53	43	759	2019	10	05	16	35	03	514	41.3292
021737	2019	10	05	17	31	08	183	2019	10	05	18	12	28	019	41.3306
021738	2019	10	05	19	08	32	825	2019	10	05	19	49	52	581	41.3293
021739	2019	10	05	20	45	57	312	2019	10	05	21	27	17	187	41.3312
021740	2019	10	05	22	23	21	859	2019	10	05	23	04	41	679	41.3303
021741	2019	10	06	00	00	46	418	2019	10	06	00	42	06	334	41.3319
021742	2019	10	06	01	38	10	858	2019	10	06	02	19	30	805	41.3325
021743	2019	10	06	03	15	35	496	2019	10	06	03	56	55	381	41.3314
021744	2019	10	06	04	52	59	969	2019	10	06	05	34	19	956	41.3331
021745	2019	10	06	06	30	24	543	2019	10	06	07	11	44	460	41.3320
021746	2019	10	06	08	07	49	086	2019	10	06	08	49	09	129	41.3341
021747	2019	10	06	09	45	13	556	2019	10	06	10	26	33	569	41.3335
021748	2019	10	06	11	22	38	177	2019	10	06	12	03	58	159	41.3330
021749	2019	10	06	13	00	02	637	2019	10	06	13	41	22	704	41.3344
021750	2019	10	06	14	37	27	238	2019	10	06	15	18	47	221	41.3330

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