

Apparent Position from Salina, KS									
Date	Time	RA	DEC	Azimuth	Elevation	T-mag	Distance	Velocity	Cnst
	(CDT)	(hh mm ss.ss)	(dd mm ss.s)	(deg)	(deg)		(AU)	(km/sec)	

2025-Oct-08	7:00 PM	15 55 21.96	-16 31 53.1	223	22.4	8.731	0.35	-25.71	Lib
	8:00 PM	15 55 56.33	-16 31 04.2	235	13.6	8.731	0.35	-25.59	Lib
	9:00 PM	15 56 52.37	-16 25 52.4	245	3.7	8.73	0.35	-25.49	Lib
	10:00 PM	15 58 49.70	-16 10 18.8	255	-6.8	8.73	0.35	-25.41	Lib
2025-Oct-09	7:00 PM	16 07 21.91	-16 35 41.6	222	23.4	8.719	0.34	-24.20	Sco
	8:00 PM	16 07 57.77	-16 34 54.8	234	14.9	8.719	0.34	-24.07	Sco
	9:00 PM	16 08 48.76	-16 31 04.1	244	5.0	8.718	0.34	-23.96	Sco
	10:00 PM	16 10 55.86	-16 13 30.2	253	-5.3	8.718	0.34	-23.88	Sco
2025-Oct-10	7:00 PM	16 20 15.67	-16 36 41.1	220	24.6	8.708	0.33	-22.54	Sco
	8:00 PM	16 20 53.20	-16 35 54.1	232	16.3	8.707	0.33	-22.41	Sco
	9:00 PM	16 21 41.35	-16 32 58.0	243	6.6	8.707	0.33	-22.29	Sco
	10:00 PM	16 23 56.02	-16 13 45.2	252	-3.6	8.707	0.32	-22.19	Sco
2025-Oct-11	7:00 PM	16 34 05.90	-16 34 13.7	217	25.8	8.699	0.31	-20.73	Oph
	8:00 PM	16 34 45.25	-16 33 24.3	230	17.8	8.698	0.31	-20.59	Oph
	9:00 PM	16 35 32.10	-16 31 03.5	241	8.3	8.698	0.31	-20.46	Oph
	10:00 PM	16 37 52.68	-16 10 25.1	251	-1.7	8.698	0.31	-20.35	Oph
2025-Oct-12	7:00 PM	16 48 54.15	-16 27 37.5	215	27.1	8.693	0.30	-18.75	Oph
	8:00 PM	16 49 35.43	-16 26 43.0	228	19.5	8.693	0.30	-18.59	Oph
	9:00 PM	16 50 22.03	-16 24 43.4	239	10.2	8.693	0.30	-18.45	Oph
	10:00 PM	16 52 24.79	-16 07 26.9	249	0.2	8.693	0.30	-18.33	Oph
2025-Oct-13	7:00 PM	17 04 40.39	-16 16 08.0	212	28.6	8.692	0.29	-16.58	Oph
	8:00 PM	17 05 23.61	-16 15 05.9	226	21.3	8.692	0.29	-16.42	Oph
	9:00 PM	17 06 10.64	-16 13 16.8	237	12.3	8.692	0.29	-16.27	Oph
	10:00 PM	17 07 31.33	-16 04 40.1	247	2.3	8.692	0.29	-16.14	Oph
2025-Oct-14	7:00 PM	17 21 22.51	-15 59 01.4	209	30.1	8.697	0.28	-14.23	Ser
	8:00 PM	17 22 07.59	-15 57 49.1	223	23.3	8.697	0.28	-14.06	Ser
	9:00 PM	17 22 55.42	-15 56 02.6	235	14.6	8.698	0.28	-13.90	Ser
	10:00 PM	17 23 59.89	-15 50 54.1	245	4.7	8.698	0.28	-13.75	Ser
2025-Oct-15	7:00 PM	17 38 55.90	-15 35 38.8	206	31.7	8.71	0.28	-11.70	Ser
	8:00 PM	17 39 42.65	-15 34 14.3	220	25.4	8.71	0.28	-11.52	Ser
	9:00 PM	17 40 31.40	-15 32 24.5	233	17.0	8.711	0.27	-11.34	Ser
	10:00 PM	17 41 29.29	-15 28 43.1	243	7.3	8.712	0.27	-11.19	Ser
2025-Oct-16	7:00 PM	17 57 13.16	-15 05 32.1	202	33.3	8.732	0.27	-9.01	Ser
	8:00 PM	17 58 01.27	-15 03 53.9	217	27.6	8.733	0.27	-8.81	Ser
	9:00 PM	17 58 50.83	-15 01 56.6	230	19.6	8.735	0.27	-8.63	Ser
	10:00 PM	17 59 45.83	-14 58 52.6	241	10.1	8.736	0.27	-8.46	Ser
2025-Oct-17	7:00 PM	18 16 04.13	-14 28 29.2	198	34.8	8.766	0.26	-6.17	Ser
	8:00 PM	18 16 53.18	-14 26 36.8	214	29.8	8.767	0.26	-5.97	Ser
	9:00 PM	18 17 43.26	-14 24 29.7	228	22.3	8.769	0.26	-5.78	Ser
	10:00 PM	18 18 36.78	-14 21 39.9	239	13.1	8.771	0.26	-5.60	Ser
2025-Oct-18	7:00 PM	18 35 16.29	-13 44 39.4	194	36.4	8.811	0.26	-3.24	Sct
	8:00 PM	18 36 05.74	-13 42 33.2	210	32.1	8.813	0.26	-3.03	Sct
	9:00 PM	18 36 55.94	-13 40 15.3	225	25.0	8.816	0.26	-2.83	Sct
	10:00 PM	18 37 48.39	-13 37 28.8	237	16.1	8.818	0.26	-2.65	Sct
2025-Oct-19	7:00 PM	18 54 35.45	-12 54 35.1	189	37.8	8.87	0.26	-0.26	Sct
	8:00 PM	18 55 24.73	-12 52 16.5	207	34.3	8.872	0.26	-0.04	Sct
	9:00 PM	18 56 14.55	-12 49 48.6	222	27.8	8.875	0.26	0.16	Sct
	10:00 PM	18 57 05.89	-12 47 00.3	234	19.2	8.878	0.26	0.35	Sct

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	(CDT)	(hh mm ss.ss)	(dd mm ss.s)	(deg)	(deg)		(AU)	(km/sec)	

2025-Oct-20	7:00 PM	19 13 46.84	-11 59 11.1	185	39.1	8.942	0.26	2.73	Sgr
	8:00 PM	19 14 35.39	-11 56 42.6	203	36.4	8.945	0.26	2.94	Sgr
	9:00 PM	19 15 24.29	-11 54 06.2	219	30.5	8.948	0.26	3.15	Sgr
	10:00 PM	19 16 14.25	-11 51 15.0	232	22.3	8.952	0.26	3.34	Sgr
2025-Oct-21	7:00 PM	19 32 36.27	-10 59 39.8	180	40.2	9.027	0.26	5.65	Aql
	8:00 PM	19 33 23.54	-10 57 04.2	199	38.3	9.031	0.26	5.87	Aql
	9:00 PM	19 34 11.04	-10 54 22.1	215	33.1	9.034	0.26	6.07	Aql
	10:00 PM	19 34 59.27	-10 51 28.7	230	25.3	9.038	0.26	6.26	Aql
2025-Oct-22	7:00 PM	19 50 51.15	-09 57 23.6	175	41.1	9.124	0.27	8.48	Aql
	8:00 PM	19 51 36.70	-09 54 44.4	194	40.1	9.128	0.27	8.68	Aql
	9:00 PM	19 52 22.36	-09 51 59.5	212	35.6	9.133	0.27	8.88	Aql
	10:00 PM	19 53 08.54	-09 49 05.6	227	28.2	9.137	0.27	9.07	Aql
2025-Oct-23	7:00 PM	20 08 21.25	-08 53 46.9	171	41.8	9.232	0.27	11.15	Cap
	8:00 PM	20 09 04.72	-08 51 07.2	190	41.8	9.237	0.27	11.35	Cap
	9:00 PM	20 09 48.23	-08 48 22.5	209	37.9	9.242	0.27	11.55	Cap
	10:00 PM	20 10 32.10	-08 45 30.6	225	31.0	9.247	0.27	11.74	Cap
2025-Oct-24	7:00 PM	20 24 59.11	-07 50 08.2	166	42.4	9.351	0.28	13.65	Aql
	8:00 PM	20 25 40.27	-07 47 30.9	186	43.2	9.356	0.28	13.84	Aql
	9:00 PM	20 26 21.41	-07 44 49.2	206	40.0	9.361	0.28	14.04	Aql
	10:00 PM	20 27 02.79	-07 42 01.3	222	33.6	9.366	0.28	14.22	Aql
2025-Oct-25	7:00 PM	20 40 40.01	-06 47 34.6	162	42.8	9.477	0.29	15.96	Aqr
	8:00 PM	20 41 18.74	-06 45 02.1	182	44.4	9.482	0.29	16.15	Aqr
	9:00 PM	20 41 57.39	-06 42 25.5	202	41.9	9.488	0.29	16.33	Aqr
	10:00 PM	20 42 36.20	-06 39 43.7	220	35.9	9.493	0.29	16.51	Aqr
2025-Oct-26	7:00 PM	20 55 21.74	-05 46 59.1	158	43.0	9.61	0.30	18.07	Aqr
	8:00 PM	20 55 57.99	-05 44 33.2	179	45.4	9.615	0.30	18.25	Aqr
	9:00 PM	20 56 34.13	-05 42 03.4	199	43.6	9.621	0.30	18.43	Aqr
	10:00 PM	20 57 10.38	-05 39 29.0	218	38.1	9.626	0.30	18.60	Aqr
2025-Oct-27	7:00 PM	21 09 04.15	-04 48 59.9	155	43.2	9.747	0.31	19.99	Aqr
	8:00 PM	21 09 37.97	-04 46 41.8	175	46.3	9.753	0.31	20.16	Aqr
	9:00 PM	21 10 11.64	-04 44 19.9	196	45.1	9.759	0.31	20.33	Aqr
	10:00 PM	21 10 45.38	-04 41 53.8	215	40.1	9.764	0.31	20.49	Aqr
2025-Oct-28	7:00 PM	21 21 48.66	-03 54 01.6	151	43.3	9.888	0.32	21.72	Aqr
	8:00 PM	21 22 20.14	-03 51 51.9	172	47.0	9.894	0.32	21.88	Aqr
	9:00 PM	21 22 51.45	-03 49 38.5	194	46.5	9.9	0.32	22.04	Aqr
	10:00 PM	21 23 22.78	-03 47 21.3	213	41.9	9.906	0.32	22.20	Aqr