This data is acquired by two people working primarily during daylight hours conducting BASH operations during a standard work day. Therefore, the data represented here is inherently skewed toward those variables in which we are most often present, which happens to be during the day time. It should also be noted that data is only recorded when an actual sighting of a coyote is made by one of the observers. Antitodally, we see coyote sign such as scat and prints that provides us with a fuller picture of how many different coyotes are present in the area and how often they are coming through, this data is not quantified nor is it represented in the observation data at hand. We also dont record coyote sightings that are reported to us from tower or any of the airfield staff due to inaccuracy issues with reported sightings which would introduce possibly innacurate data onto our mapping program.

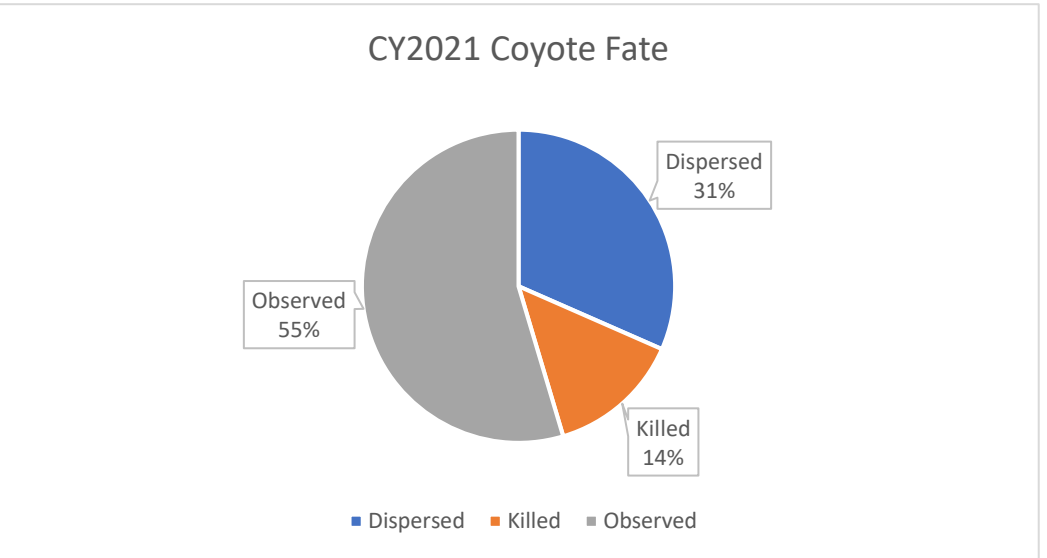
Coyotes are primarily nocturnal hunters but will sometimes hunt during the day opportunistically. As you will see from looking at the data, the majority of sightings were during mid-day which is characterized as 3 hours after first light and 3 hours before last light. Although I cannot determine population size based on the data, I believe it would be safe to estimate that the amount of movement on our airfield at night is at least double to triple the amount reported for mid-day in this data.

Lastly, the number of coyotes removed were underreported in this data due to a loss of the entire month of September for one of the two observers. We were able to determine from another system we use that the total number of coyotes removed for CY21 was 26, however, in the observation Data contained within this document there are only 21 of the 26 records.

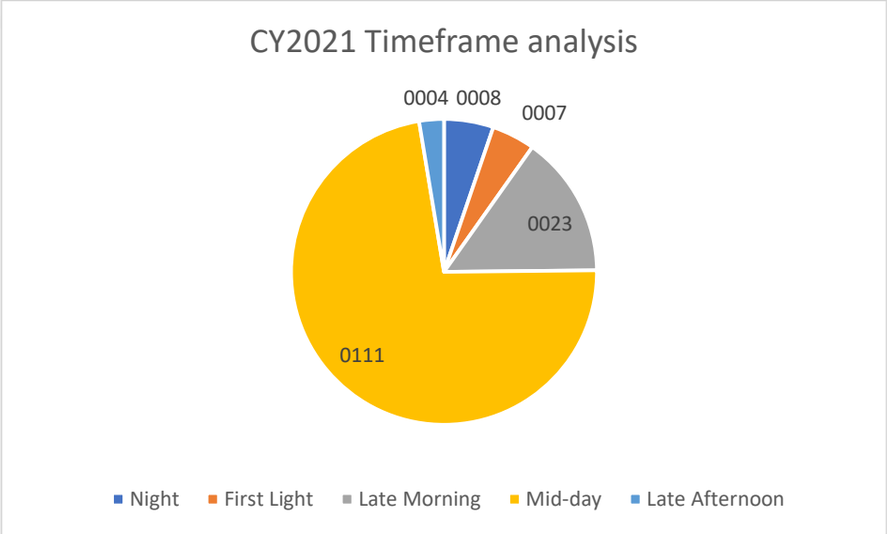
FID	Shape *	Date	Time	Time of Day	Time Conve	Weather	Temperatu	Wind_Direc	Wind_Spee	Survey_Typ	Location	Guild	Species	Number_O	Activity	Activity_D	Altitude	Primary_Su	Attractant	Control	Fate	Comments	Movement	Property	Pyro_Count	SHAPE_Len	Observer	Mass_of_Sp	OBS_Mass
60	Polyline	1/7	1535	Late Afternoon	15:35	Cloudy	42	SE (135)	8	Opportunis	Tax Delta	Mammals	COYOTE	1	Hunting	E (90)	0	Mixed	Rodents	Observatio	Observed		Stationary	Ault Field	0	242.2455	USDA2	0	0
61	Polyline	1/7	1535	Late Afternoon	15:35	Cloudy	42	SE (135)	8	Opportunis	Tax Delta	Mammals	COYOTE	1	Hunting	E (90)	0	Mixed	Rodents	Firearm	Dispersed		Stationary	Ault Field	0	1656.941	USDA2	0	0
77	Polyline	1/11	1528	Late Afternoon	15:28	Hard Rain	50	SE (135)	15	Opportunis	RSL	Mammals	COYOTE	1	Hunting	N (0)	0	Mixed	Rodents	Observatio	Observed		Movement	Ault Field	0	218.7443	USDA2	0	0
78	Polyline	1/11	1528	Late Afternoon	15:28	Hard Rain	50	SE (135)	15	Opportunis	RSL	Mammals	COYOTE	1	Hunting	N (0)	0	Mixed	Rodents	Firearm	Killed		Movement	Ault Field	0	268.7471	USDA2	0	0
16	Polyline	1/6	1315	Mid-day	13:15	Cloudy	38	SE (135)	22	Opportunis	RWY 25	Mammals	COYOTE	1	None	None	0	Mixed	Rodents	Observatio	Observed		Stationary	Ault Field	0	150.2343	USDA2	0	0
17	Polyline	1/6	1315	Mid-day	13:15	Cloudy	38	SE (135)	22	Opportunis	RWY 25	Mammals	COYOTE	1	None	E (90)	0	Mixed	Rodents	Vehicle har	Dispersed		Stationary	Ault Field	0	909.3825	USDA2	0	0
70	Polyline	1/11	1230	Mid-day	12:30	Hard Rain	50	SE (135)	15	Opportunis	Tax Juliet	Mammals	COYOTE	1	Hunting	S (180)	0	Mixed	Rodents	Observatio	Observed		Movement	Ault Field	0	2304.419	USDA2	0	0
71	Polyline	1/11	1230	Mid-day	12:30	Hard Rain	50	SE (135)	15	Opportunis	Tax Juliet	Mammals	COYOTE	1	Hunting	E (90)	0	Runway	Rodents	Vehicle har	Dispersed		Movement	Ault Field	0	2263.308	USDA2	0	0
357	Polyline	1/13	1400	Mid-day	14:00	Clear	49	W (270)	20	Opportunis	RWY 25	Mammals	COYOTE	1	Loafing		0	Runway	Rodents	Observatio	Observed		Movement	Ault Field	0	1478.792	USDA1	0	0
358	Polyline	1/13	1400	Mid-day	14:00	Clear	49	W (270)	20	Opportunis	RWY 25	Mammals	COYOTE	1	Loafing		0	Runway	Rodents	Firearm	Killed		Movement	Ault Field	0	2510.372	USDA1	0	0
491	Polyline	1/21	1050	Mid-day	10:50	Cloudy	46	E (90)	4	Opportunis	East of OLF	Mammals	COYOTE	1	Local Move		0	Short grass	Rodents	Observatio	Observed		Movement	OLF Coupe\	0	678.0175	USDA1	0	0
492	Polyline	1/21	1050	Mid-day	10:50	Cloudy	46	E (90)	4	Opportunis	East of OLF	Mammals	COYOTE	1	Local Move		0	Short grass	Rodents	Vehicle har	Dispersed		Movement	OLF Coupe\	0	1080.895	USDA1	0	0
497	Polyline	1/21	1200	Mid-day	12:00	Cloudy	46	E (90)	4	Point count	OLF32	Mammals	COYOTE	1	Local Move		1-100ft	Medium gr	Rodents	Observatio	Observed		Movement	OLF Coupe\	0	1446.835	USDA1	0	0
498	Polyline	1/21	1200	Mid-day	12:00	Cloudy	46	E (90)	4	Point count	OLF32	Mammals	COYOTE	1	Local Move		1-100ft	Medium gr	Rodents	Vehicle har	Dispersed		Movement	OLF Coupe\	0	589.7551	USDA1	0	0
499	Polyline	1/21	1231	Mid-day	12:31	Cloudy	46	E (90)	4	Opportunis	East of OLF	Mammals	COYOTE	1	Local Move		1-100ft	Medium gr	Rodents	Observatio	Observed		Movement	OLF Coupe\	0	693.8554	USDA1	0	0
500	Polyline	1/21	1231	Mid-day	12:31	Cloudy	46	E (90)	4	Opportunis	East of OLF	Mammals	COYOTE	1	Local Move		1-100ft	Medium gr	Rodents	Firearm	Killed		Movement	OLF Coupe\	0	590.6752	USDA1	0	0
1092	Polyline	2/2	1500	Mid-day	15:00	Cloudy	45	E (90)	8	Opportunis	RWY 14	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Observatio	Observed		Movement	Ault Field	0	1226.411	USDA1	0	0
1149	Polyline	2/4	1015	Mid-day	10:15	Hard Rain	46	S (180)	8	Opportunis	Tax Charlie	Mammals	COYOTE	2	Local Move		0	Runway	Breeding	Observatio	Observed		Movement	Ault Field	0	3195.966	USDA1	0	0
1150	Polyline	2/4	1015	Mid-day	10:15	Hard Rain	46	S (180)	8	Opportunis	Tax Charlie	Mammals	COYOTE	2	Local Move		0	Runway	Breeding	Vehicle har	Dispersed		Movement	Ault Field	0	2857.996	USDA1	0	0
1180	Polyline	2/5	0936	Late Morning	9:36	Partly Clou	50	NW (315)	8	Opportunis	RWY 14	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Observatio	Observed		Movement	Ault Field	0	891.9453	USDA1	0	0
1181	Polyline	2/5	0936	Late Morning	9:36	Partly Clou	50	NW (315)	8	Opportunis	RWY 14	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Firearm	Dispersed		Movement	Ault Field	0	2389.949	USDA1	0	0
756	Polyline	2/8	0840	First Light	8:40		37		0			Mammals	COYOTE	1			0	Mixed	Unknown	Observatio	Observed		Movement	Ault Field	0	684.9368	Airfield Sta	0	0
759	Polyline	2/8	0850	Late Morning	8:50		37		0			Mammals	COYOTE	1			0	Mixed	Unknown	Observatio	Observed		Movement	Ault Field	0	3836.892	Airfield Sta	0	0
1199	Polyline	2/8	1033	Mid-day	10:33	Partly Clou	41	SE (135)	3	Opportunis	RWY 14	Mammals	COYOTE	2	Local Move		0	Mixed	Rodents	Observatio	Observed		Movement	Ault Field	0	413.3751	USDA1	0	0
1200	Polyline	2/8	1033	Mid-day	10:33	Partly Clou	41	SE (135)	3	Opportunis	RWY 14	Mammals	COYOTE	2	Local Move		0	Mixed	Rodents	Firearm	Dispersed		Movement	Ault Field	0	453.643	USDA1	0	0
821	Polyline	2/11	1030	Mid-day	10:30		30		0			Mammals	COYOTE	1			0	Mixed	Unknown	Observatio	Observed		Movement	Ault Field	0	1257.266	USDA2	0	0
1300	Polyline	2/11	1450	Mid-day	14:50	Cloudy	36	N (0)	9	Opportunis	RWY 32	Mammals	COYOTE	2	Local Move		0	Mixed	Breeding	Observatio	Observed		Movement	Ault Field	0	755.088	USDA1	0	0
1301	Polyline	2/11	1450	Mid-day	14:50	Cloudy	36	N (0)	9	Opportunis	RWY 32	Mammals	COYOTE	2	Local Move		0	Mixed	Breeding	Vehicle har	Dispersed		Movement	Ault Field	0	1226.774	USDA1	0	0
1302	Polyline	2/11	1450	Mid-day	14:50	Cloudy	36	N (0)	9	Opportunis	Tax Delta	Mammals	COYOTE	1	Local Move		0	Mixed	Breeding	Observatio	Observed		Movement	Ault Field	0	1190.749	USDA1	0	0
1303	Polyline	2/11	1450	Mid-day	14:50	Cloudy	36	N (0)	9	Opportunis	Tax Delta	Mammals	COYOTE	1	Local Move		0	Mixed	Breeding	Vehicle har	Dispersed		Movement	Ault Field	0	5198.973	USDA1	0	0
841	Polyline	2/11	1515	Mid-day	15:15		30		0			Mammals	COYOTE	1			0	Mixed	Unknown	Observatio	Observed		Movement	Ault Field	0	812.8307	USDA2	0	0
842	Polyline	2/11	1515	Mid-day	15:15		30		0			Mammals	COYOTE	1			0	Mixed	Unknown	Firearm	Dispersed		Movement	Ault Field	0	1053.125	USDA2	0	0
1306	Polyline	2/12	0935	Late Morning	9:35	Cloudy	36	NE (45)	8	Opportunis	RWY 32	Mammals	COYOTE	2	Local Move		0	Runway	Breeding	Observatio	Observed		Movement	Ault Field	0	3364.499	USDA1	0	0
1307	Polyline	2/12	0935	Late Morning	9:35	Cloudy	36	NE (45)	8	Opportunis	RWY 32	Mammals	COYOTE	2	Local Move		0	Runway	Breeding	Firearm	Dispersed		Movement	Ault Field	0	4999.047	USDA1	0	0
1317	Polyline	2/17	1130	Mid-day	11:30	Partly Clou	46	NW (315)	5	Opportunis	Tax Juliet	Mammals	COYOTE	1	Local Move		0	Runway	Rodents	Observatio	Observed		Movement	Ault Field	0	1200	USDA1	0	0
1318	Polyline	2/17	1130	Mid-day	11:30	Partly Clou	46	NW (315)	5	Opportunis	Tax Juliet	Mammals	COYOTE	1	Local Move		0	Runway	Rodents	Vehicle har	Dispersed		Movement	Ault Field	0	4159.312	USDA1	0	0
1343	Polyline	2/22	0850	Late Morning	8:50	Light Rain	50	S (180)	6	Transect	RWY 25	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Observatio	Observed		Movement	Ault Field	0	726.9036	USDA1	0	0
1344	Polyline	2/22	0850	Late Morning	8:50	Light Rain	50	S (180)	6	Transect	RWY 25	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Vehicle har	Dispersed		Movement	Ault Field	0	877.9489	USDA1	0	0
1422	Polyline	2/25	0929	Late Morning	9:29	Partly Clou	46	SW (225)	35	Opportunis	RWY 14	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Observatio	Observed		Movement	Ault Field	0	546.1067	USDA1	0	0
1423	Polyline	2/25	0929	Late Morning	9:29	Partly Clou	46	SW (225)	35	Opportunis	RWY 14	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Vehicle har	Dispersed		Movement	Ault Field	0	925.9949	USDA1	0	0
1465	Polyline	2/26	1130	Mid-day	11:30	Partly Clou	47	W (270)	20	Opportunis	RWY 32	Mammals	COYOTE	1	Local Move		0	Runway	Rodents	Observatio	Observed		Movement	Ault Field	0	1204.752	USDA1	0	0
1466	Polyline	2/26	1130	Mid-day	11:30	Partly Clou	47	W (270)	20	Opportunis	RWY 32	Mammals	COYOTE	1	Local Move		0	Runway	Rodents	Vehicle har	Dispersed		Movement	Ault Field	0	2933.966	USDA1	0	0
1467	Polyline	2/26	1417	Mid-day	14:17	Partly Clou	47	W (270)	20	Opportunis	RWY 14	Mammals	COYOTE	1	Local Move		0	Runway	Rodents	Observatio	Observed		Movement	Ault Field	0	827.8005	USDA1	0	0
1488	Polyline	3/1	1332	Mid-day	13:32	Cloudy	51	SE (135)	7	Opportunis	RWY 14	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Observatio	Observed		Movement	Ault Field	0	773.7863	USDA1	0	0
1489	Polyline	3/1	1332	Mid-day	13:32	Cloudy	51	SE (135)	7	Opportunis	RWY 14	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Vehicle har	Dispersed		Movement	Ault Field	0	487.2847	USDA1	0	0
1533	Polyline	3/3	0830	Late Morning	8:30	Cloudy	51	SE (135)	5	Opportunis	Barr 23 Dit	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Observatio	Observed		Movement	Ault Field	0	624.0289	USDA1	0	0
1534	Polyline	3/3	0830	Late Morning	8:30	Cloudy	51	SE (135)	5	Opportunis	Barr 23 Dit	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Firearm	Dispersed		Movement	Ault Field	0	887.6612	USDA1	0	0
1551	Polyline	3/4	0815	Late Morning	8:15	Cloudy	54	SE (135)	30	Transect	Barr 23 Dit	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Observatio	Observed		Movement	Ault Field	0	1063.487	USDA1	0	0
1588	Polyline	3/8	0828	Late Morning	8:28	Light Rain	51	Variable	1	Transect	Barr 23 Dit	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Observatio	Observed		Movement	Ault Field	0	281.9937	USDA1	0	0
1589	Polyline	3/8	0828	Late Morning	8:28	Light Rain	51	Variable	1	Transect	Barr 23 Dit	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Firearm	Dispersed		Movement	Ault Field	0	828.2738	USDA1	0	0
1615	Polyline	3/8	1437	Mid-day	14:37	Light Rain	51	Variable	1	Opportunis	Barr 23 Dit	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Observatio	Observed		Movement	Ault Field	0	720.5986	USDA1	0	0
1616	Polyline	3/8	1437	Mid-day	14:37	Light Rain	51	Variable	1	Opportunis	Barr 23 Dit	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Vehicle har	Dispersed		Movement	Ault Field	0	736.6698	USDA1	0	0
1622	Polyline	3/8	1547	Mid-day	15:47	Light Rain	51	Variable	1	Opportunis	Barr 23 Dit	Mammals	COYOTE	1	Loafing		0	Mixed	Rodents	Observatio	Observed		Stationary	Ault Field	0	2811.933	USDA1	0	0
1623	Polyline	3/8	1547	Mid-day	15:47	Light Rain	51	Variable	1	Opportunis	Barr 23 Dit	Mammals	COYOTE	1	Loafing		0	Mixed	Rodents	Firearm	Dispersed		Stationary	Ault Field	0	1636.742	USDA1	0	0
1663	Polyline	3/11	1003	Mid-day	10:03	Clear	50	Variable	5	Opportunis	RWY 14	Mammals	COYOTE	1	Local Move		0	Shrubland	Rodents	Observatio	Observed		Movement	Ault Field	0	1339.81	USDA1	0	0
1664	Polyline	3/11	1003	Mid-day	10:03	Clear	50	Variable	5	Opportunis	RWY 14	Mammals	COYOTE	1	Local Move		0	Shrubland	Rodents	Firearm	Dispersed		Movement	Ault Field	0	3179.972	USDA1	0	0
1698	Polyline	3/15	0835	First Light	8:35	Partly Clou	46	NW (315)	20	Opportunis	RWY 14	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Observatio	Observed		Movement	Ault Field	0	1499.81	USDA1	0	0
1699	Polyline	3/15	0835	First Light	8:35	Partly Clou	46	NW (315)	20	Opportunis	RWY 14	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Vehicle har	Dispersed		Movement	Ault Field	0	841.5854	USDA1	0	0
1707	Polyline	3/15	1346	Mid-day	13:46	Partly Clou	46	NW (315)	20	Opportunis	RWY 07	Mammals	COYOTE	1	Local Move		0	Runway	Rodents	Observatio	Observed		Movement	Ault Field	0	1147.996	USDA1	0	0
1708	Polyline	3/15	1346	Mid-day	13:46	Partly Clou	46	NW (315)	20	Opportunis	RWY 07	Mammals	COYOTE	1	Local Move		0	Runway	Rodents	Vehicle har	Dispersed		Movement	Ault Field	0	908.878	USDA1	0	0
1711	Polyline	3/15	1443	Mid-day	14:43	Partly Clou	46	NW (315)	20	Opportunis	Transmitte	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Observatio	Observed		Movement	Ault Field	0	1824.43	USDA1	0	0
1712	Polyline	3/15	1443	Mid-day	14:43	Partly Clou	46	NW (315)	20	Opportunis	Transmitte	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Vehicle har	Dispersed		Movement	Ault Field	0	9925.948	USDA1	0	0
1721	Polyline	3/16	1130	Mid-day	11:30	Partly Clou	48	NW (315)	10	Opportunis	RWY 07	Mammals	COYOTE	1	Local Move		0	Medium gr	Rodents	Observatio	Observed		Movement	Ault Field	0	853.7432	USDA1	0	0
1722	Polyline	3/16	1130	Mid-day	11:30	Partly Clou	48	NW (315)	10	Opportunis	RWY 07	Mammals	COYOTE	1	Local Move		0	Medium gr	Rodents	Firearm	Killed		Movement	Ault Field	0	2341.037	USDA1	0	0
1728	Polyline	3/16	1230	Mid-day	12:30	Partly Clou	48	NW (315)	10	Opportunis	RWY 14	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Observatio	Observed		Movement	Ault Field	0	722.4083	USDA1	0	0
1732	Polyline	3/16	1558	Mid-day	15:58	Partly Clou	48	NW (315)	10	Opportunis	RWY 14	Mammals	COYOTE	1	Local Move		0	Shrubland	Rodents	Observatio	Observed		Movement	Ault Field	0	721.8569	USDA1	0	0
1733	Polyline	3/16	1558	Mid-day	15:58	Partly Clou	48	NW (315)	10	Opportunis	RWY 14	Mammals	COYOTE	1	Local Move		0	Shrubland	Rodents	Firearm	Killed		Movement	Ault Field	0	1537.174	USDA1	0	0
1794	Polyline	3/19	1358	Mid-day	13:58	Partly Clou	53	SE (135)	30	Opportunis	Hard Stand	Mammals	COYOTE	1	Local Move		0	Medium gr	Rodents	Observatio	Observed		Movement	Ault Field	0	633.8675	USDA1	0	0
1795	Polyline	3/19	1358	Mid-day	13:58	Partly Clou	53	SE (135)	30	Opportunis	Hard Stand	Mammals	COYOTE	1	Local Move		0	Medium gr	Rodents	Vehicle har	Dispersed		Movement	Ault Field	0	1186.714	USDA1	0	0
1796	Polyline	3/19	1358	Mid-day	13:58	Partly Clou	53	SE (135)	30	Opportunis	Hard Stand	Mammals	COYOTE	1	Local Move		0	Medium gr	Rodents	Observatio	Observed		Movement	Ault Field	0	745.08	USDA1	0	0
1797	Polyline	3/19	1358	Mid-day	13:58	Partly Clou	53	SE (135)	30	Opportunis	Hard Stand	Mammals	COYOTE	1	Local Move		0	Medium gr	Rodents	Firearm	Killed		Movement	Ault Field	0	1284.9	USDA1	0	0
1859	Polyline	3/25	1405	Mid-day	14:05	Partly Clou	50	NW (315)	20	Opportunis	RWY 14	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Observatio	Observed		Movement	Ault Field	0	458.5959	USDA1	0	0
1860	Polyline	3/25	1405	Mid-day	14:05	Partly Clou	50	NW (315)	20	Opportunis	RWY 14	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Vehicle har	Dispersed		Movement	Ault Field	0	1006.798	USDA1	0	0
1866	Polyline	3/29	1321	Mid-day	13:21	Partly Clou	50	W (270)	7	Opportunis	Barr 23 Dit	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Observatio	Observed		Movement	Ault Field	0	667.1031	USDA1	0	0
1867	Polyline	3/29	1321	Mid-day	13:21	Partly Clou	50	W (270)	7	Opportunis	Barr 23 Dit	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Vehicle har	Dispersed		Movement	Ault Field	0	1484.126	USDA1	0	0
1908	Polyline	4/2	0825	Late Morning	8:25	Light Rain	51	SW (225)	10	Transect	RWY 14	Mammals	COYOTE	1	Local Move		0	Medium gr	Rodents	Observatio	Observed		Movement	Ault Field	0	1264.904	USDA1	0	0
1909	Polyline	4/2	0825	Late Morning	8:25	Light Rain	51	SW (225)	10	Transect	RWY 14	Mammals	COYOTE	1	Local Move		0	Medium gr	Rodents	Vehicle har	Dispersed		Movement	Ault Field	0	926.9861	USDA1	0	0
1913	Polyline	4/2	0909	Mid-day	9:09	Light Rain	51	SW (225)	10	Opportunis	Tax Charlie	Mammals	COYOTE	1	Local Move		0	Taxiway	Rodents	Observatio	Observed		Movement	Ault Field	0	2370.956	USDA1	0	0
1995	Polyline	4/6	1408	Mid-day	14:08	Cloudy	43	SE (135)	2	Opportunis	RWY 32	Mammals	COYOTE	1	None		0	Mixed	Unknown	Observatio	Observed		Stationary		0	139.6412	USDA2	0	0
1996	Polyline	4/6	1408	Mid-day	14:08	Cloudy	43	SE (135)	2	Opportunis	RWY 32	Mammals	COYOTE	1	None		0	Mixed	Unknown	Vehicle har	Dispersed		Stationary		0	546.1041	USDA2	0	0
1945	Polyline	4/7	1400	Mid-day	14:00	Light Rain	49	SW (225)	15	Opportunis	RWY 32	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Observatio	Observed		Movement	Ault Field	0	931.512	USDA1	0	0
1946	Polyline	4/7	1400	Mid-day	14:00	Light Rain	49	SW (225)	15	Opportunis	RWY 32	Mammals	COYOTE	1	Local Move		0	Mixed	Rodents	Firearm	Killed		Movement	Ault Field	0	791.7727	USDA1	0	0
2090	Polyline	4/14	0816	Late Morning	8:16	Clear	39	W (270)	5	Opportunis	Transmitte	Mammals	COYOTE	2	None		1-100ft	Mixed	Unknown	Observatio	Observed		Stationary		0	203.2076	USDA2	0	0
2091	Polyline	4/14	0816	Late Morning	8:16	Clear	39	W (270)	5	Opportunis	Transmitte	Mammals	COYOTE	1	None		1-100ft	Mixed	Unknown	Vehicle har	Dispersed		Stationary		0	338.6795	USDA2	0	0
2104	Polyline	4/15	1405	Mid-day	14:05	Clear	45	E (90)	3	Opportunis	Barr 23 Dit	Mammals	COYOTE	1	Hunting		0	Mixed	Rodents	Observatio	Observed		Stationary		0	103.5562	USDA2	0	0
2105	Polyline	4/15	1405	Mid-day	14:05	Clear	45	E (90)	3	Opportunis	Barr 23 Dit	Mammals	COYOTE	1	Hunting		0	Mixed	Rodents	Firearm	Killed		Stationary		0	142.3247	USDA2	0	0
2488	Polyline	5/17	0945	Mid-day	9:45	Light Rain	45	W (270)	7	Opportunis	RWY 32	Mammals	COYOTE	1	Hunting		0	Short grass	Rodents	Observatio	Observed		Movement		0	242.4241	USDA2	0	0
2489	Polyline	5/17	0945	Mid-day	9:45	Light Rain	45	W (270)	7	Opportunis	RWY 32	Mammals	COYOTE	1	Hunting		0	Short grass	Rodents	Vehicle har	Dispersed		Movement		0	1222.939	USDA2	0	0
2490	Polyline	5/17	1105	Mid-day	11:05	Light Rain	45	W (270)	7	Opportunis	RWY 32	Mammals	COYOTE	1	Hunting		0	Short grass	Rodents	Observatio	Observed		Movement		0	417.7627	USDA2	0	0
2491	Polyline	5/17	1105	Mid-day	11:05	Light Rain	45	W (270)	7	Opportunis	RWY 32	Mammals	COYOTE	1	Hunting		0	Short grass	Rodents	Vehicle har	Dispersed		Movement		0	918.1703	USDA2	0	0
2514	Polyline	5/18	1145	Mid-day	11:45	Light Rain	45	W (270)	12	Opportunis	RWY 32	Mammals	COYOTE	1	Hunting		0	Mixed	Rodents	Observatio	Observed		Movement		0	170.8959	USDA2	0	0
2515	Polyline	5/18	1145	Mid-day	11:45	Light Rain	45	W (270)	12	Opportunis	RWY 32	Mammals	COYOTE	1	Hunting		0	Mixed	Rodents	Vehicle har	Dispersed		Movement		0	735.6713	USDA2	0	0
2664	Polyline	6/3	1102	Mid-day	11:02	Cloudy	61	Variable	7	Opportunis	RWY 25	Mammals	COYOTE	1	Hunting		1-100ft	Mixed	Rodents	Observatio	Observed		Movement		0	170.1956	USDA2	0	0
2665	Polyline	6/3	1102	Mid-day	11:02	Cloudy	61	Variable	7	Opportunis	RWY 25	Mammals	COYOTE	1	Hunting		1-100ft	Mixed	Rodents	Vehicle har	Dispersed		Movement		0	756.734	USDA2	0	0
2668	Polyline	6/7	0846	Mid-day	8:46	Cloudy	58	SW (225)	8	Opportunis	RWY 25	Mammals	COYOTE	2	Hunting		0	Runway	Unknown	Observatio	Observed		Movement		0	1157.214	USDA2	0	0
2669	Polyline	6/7	0846	Mid-day	8:46	Cloudy	58	SW (225)	8	Opportunis	RWY 25	Mammals	COYOTE	2	Hunting		0	Runway	Unknown	Vehicle har	Dispersed		Movement		0	878.0405	USDA2	0	0
2680	Polyline	6/7	1338	Mid-day	13:38	Cloudy	58	SW (225)	8	Opportunis	RWY 25	Mammals	COYOTE	1	Hunting		0	Runway	Rodents	Observatio	Observed		Movement		0	240.693	USDA2	0	0
2681	Polyline	6/7	1338	Mid-day	13:38	Cloudy	58	SW (225)	8	Opportunis	RWY 25	Mammals	COYOTE	1	Hunting		0	Runway	Rodents	Observatio	Observed		Movement		0	709.6284	USDA2	0	0
2682	Polyline	6/7	1350	Mid-day	13:50	Cloudy	58	SW (225)	8	Opportunis	RWY 32	Mammals	COYOTE	2	Hunting		0	Mixed	Rodents	Observatio	Observed		Stationary		0	389.2523	USDA2	0	0
2683	Polyline	6/7	1350	Mid-day	13:50	Cloudy	58	SW (225)	8	Opportunis	RWY 32	Mammals	COYOTE	1	Hunting		0	Mixed	Rodents	Firearm	Killed		Stationary		0	527.7538	USDA2	0	0
2684	Polyline	6/7	1350	Mid-day	13:50	Cloudy	58	SW (225)	8	Opportunis	RWY 32	Mammals	COYOTE	1	Hunting		0	Mixed	Rodents	Firearm	Dispersed		Stationary		0	1465.599	USDA2	0	0
2729	Polyline	6/17	0930	Mid-day	9:30	Clear	62	NW (315)	6	Opportunis	Tax Charlie	Mammals	COYOTE	1	Hunting		0	Mixed	Rodents	Observatio	Observed		Movement		0	328.6892	USDA2	0	0
2730	Polyline	6/17	0930	Mid-day	9:30	Clear	62	NW (315)	6	Opportunis	Tax Charlie	Mammals	COYOTE	1	Hunting		0	Mixed	Rodents	Vehicle har	Dispersed		Movement		0	1066.39	USDA2	0	0
2731	Polyline	6/17	1045	Mid-day	10:45	Clear	62	NW (315)	6	Opportunis	Tax Delta	Mammals	COYOTE	1	Hunting		0	Mixed	Rodents	Observatio	Observed		Movement		0	324.108	USDA2	0	0
2732	Polyline	6/17	1045	Mid-day	10:45	Clear	62	NW (315)	6	Opportunis	Tax Delta	Mammals	COYOTE	1	Hunting		0	Mixed	Rodents	Vehicle har	Dispersed		Movement		0	2168.366	USDA2	0	0
3509	Polyline	7/6	0845	Mid-day	8:45	Fog	50	SW (225)	7	Opportunis	Tax Charlie	Mammals	COYOTE	1	Hunting		0	Mixed	Rodents	Observatio	Observed		Movement		0	276.5898	USDA2	0	0
3510	Polyline	7/6	0845	Mid-day	8:45	Fog	50	SW (225)	7	Opportunis	Tax Charlie	Mammals	COYOTE	1	Hunting		0	Mixed	Rodents	Vehicle har	Dispersed		Movement		0	414.2991	USDA2	0	0
3326	Polyline	7/14	1530	Mid-day	15:30	Partly Clou

4637	Polyline	11/16	1201	Mid-day	12:01	Partly Clou	36	SW (225)	3	Opportunis	RWY 32	Mammals	COYOTE	1	Trapped	N (0)	0	Mixed	Offsite	Foothold p	Killed	Movement	Ault Field	0	282.1282	USDA2	488	488
4241	Polyline	12/2	1245	Mid-day	12:45	Cloudy	48	S (180)	6	Opportunis	RWY 25	Mammals	COYOTE	1	Transiting/	N (0)	0	Mixed	Rodents	Observatio	Observed	Movement	Ault Field	0	1256.713	USDA1	488	488
4242	Polyline	12/2	1245	Mid-day	12:45	Cloudy	48	S (180)	6	Opportunis	RWY 25	Mammals	COYOTE	1	Transiting/	N (0)	0	Mixed	Rodents	Firearm	Killed	Movement	Ault Field	0	81.40384	USDA1	488	488
4256	Polyline	12/3	0830	First Light	8:30	Cloudy	34	W (270)	5	Transect	Barr 23 Dit	Mammals	COYOTE	2	Hunting	Local	0	Long grass	Rodents	Observatio	Observed	Stationary	Ault Field	0	1028.191	USDA1	488	976
4102	Polyline	12/16	1205	Mid-day	12:05	Hard Rain	42	N (0)	6	Opportunis	RWY 25	Mammals	COYOTE	1	Transiting/	S (180)	0	Runway	Offsite	Observatio	Observed	Movement	Ault Field	0	1517.157	USDA2	488	488

Fate of Coyote	CY2021 Coyote Fate
Dispersed	48
Killed	21
Observed	83



Time of Day	CY2021 Timefra
Night	0008
First Light	0007
Late Morning	0023
Mid-day	0111
Late Afternoon	0004



Day	Twilight start	Sunrise	Sunset	Twilight end	Day length	Solar noon	Nautical twilight		Astronomical twilight	
							Start	End	Start	End
1/1	7:25	**7:59**	**16:29**	17:03	8:29	12:14	6:45	17:43	6:07	18:21
1/2	7:25	**7:59**	**16:30**	17:04	8:30	12:14	6:45	17:44	6:07	18:22
1/3	7:25	**7:59**	**16:31**	17:05	8:31	12:15	6:45	17:45	6:07	18:23
1/4	7:25	**7:59**	**16:32**	17:06	8:33	12:15	6:45	17:46	6:07	18:23
1/5	7:24	**7:59**	**16:33**	17:07	8:34	12:16	6:45	17:47	6:07	18:24
1/6	7:24	**7:58**	**16:34**	17:08	8:35	12:16	6:45	17:48	6:07	18:25
1/7	7:24	**7:58**	**16:35**	17:09	8:37	12:17	6:45	17:49	6:07	18:26
1/8	7:24	**7:58**	**16:36**	17:10	8:38	12:17	6:44	17:50	6:07	18:27
1/9	7:23	**7:57**	**16:38**	17:12	8:40	12:17	6:44	17:51	6:06	18:28
1/10	7:23	**7:57**	**16:39**	17:13	8:42	12:18	6:44	17:52	6:06	18:30
1/11	7:22	**7:56**	**16:40**	17:14	8:44	12:18	6:43	17:53	6:06	18:31
1/12	7:22	**7:56**	**16:42**	17:15	8:45	12:19	6:43	17:54	6:05	18:32
1/13	7:21	**7:55**	**16:43**	17:16	8:47	12:19	6:43	17:55	6:05	18:33
1/14	7:21	**7:54**	**16:44**	17:18	8:49	12:19	6:42	17:57	6:05	18:34
1/15	7:20	**7:54**	**16:46**	17:19	8:51	12:20	6:42	17:58	6:04	18:35
1/16	7:20	**7:53**	**16:47**	17:20	8:54	12:20	6:41	17:59	6:04	18:36
1/17	7:19	**7:52**	**16:48**	17:22	8:56	12:20	6:40	18:00	6:03	18:38
1/18	7:18	**7:51**	**16:50**	17:23	8:58	12:21	6:40	18:02	6:03	18:39
1/19	7:18	**7:51**	**16:51**	17:24	9:00	12:21	6:39	18:03	6:02	18:40
1/20	7:17	**7:50**	**16:53**	17:26	9:03	12:21	6:38	18:04	6:01	18:41
1/21	7:16	**7:49**	**16:54**	17:27	9:05	12:22	6:38	18:05	6:01	18:43
1/22	7:15	**7:48**	**16:56**	17:29	9:08	12:22	6:37	18:07	6:00	18:44
1/23	7:14	**7:47**	**16:57**	17:30	9:10	12:22	6:36	18:08	5:59	18:45
1/24	7:13	**7:46**	**16:59**	17:31	9:13	12:22	6:35	18:09	5:58	18:46
1/25	7:12	**7:45**	**17:00**	17:33	9:15	12:23	6:34	18:11	5:57	18:48
1/26	7:11	**7:43**	**17:02**	17:34	9:18	12:23	6:33	18:12	5:56	18:49
1/27	7:10	**7:42**	**17:04**	17:36	9:21	12:23	6:32	18:14	5:55	18:50
1/28	7:09	**7:41**	**17:05**	17:37	9:24	12:23	6:31	18:15	5:55	18:52
1/29	7:08	**7:40**	**17:07**	17:39	9:27	12:23	6:30	18:16	5:54	18:53
1/30	7:07	**7:39**	**17:08**	17:40	9:29	12:23	6:29	18:18	5:52	18:54
1/31	7:05	**7:37**	**17:10**	17:42	9:32	12:24	6:28	18:19	5:51	18:56
2/1	7:04	**7:36**	**17:12**	17:43	9:35	12:24	6:27	18:21	5:50	18:57
2/2	7:03	**7:34**	**17:13**	17:45	9:38	12:24	6:26	18:22	5:49	18:59
2/3	7:02	**7:33**	**17:15**	17:46	9:41	12:24	6:24	18:23	5:48	19:00
2/4	7:00	**7:32**	**17:16**	17:48	9:44	12:24	6:23	18:25	5:47	19:01
2/5	6:59	**7:30**	**17:18**	17:49	9:47	12:24	6:22	18:26	5:45	19:03
2/6	6:58	**7:29**	**17:20**	17:51	9:50	12:24	6:20	18:28	5:44	19:04
2/7	6:56	**7:27**	**17:21**	17:52	9:54	12:24	6:19	18:29	5:43	19:06
2/8	6:55	**7:26**	**17:23**	17:54	9:57	12:24	6:18	18:31	5:41	19:07
2/9	6:53	**7:24**	**17:24**	17:55	10:00	12:24	6:16	18:32	5:40	19:08
2/10	6:52	**7:23**	**17:26**	17:57	10:03	12:24	6:15	18:34	5:39	19:10
2/11	6:50	**7:21**	**17:28**	17:58	10:06	12:24	6:13	18:35	5:37	19:11
2/12	6:49	**7:19**	**17:29**	18:00	10:10	12:24	6:12	18:37	5:36	19:13
2/13	6:47	**7:18**	**17:31**	18:01	10:13	12:24	6:10	18:38	5:34	19:14
2/14	6:45	**7:16**	**17:32**	18:03	10:16	12:24	6:09	18:40	5:33	19:16
2/15	6:44	**7:14**	**17:34**	18:05	10:19	12:24	6:07	18:41	5:31	19:17
2/16	6:42	**7:12**	**17:36**	18:06	10:23	12:24	6:06	18:43	5:30	19:19
2/17	6:40	**7:11**	**17:37**	18:08	10:26	12:24	6:04	18:44	5:28	19:20
2/18	6:39	**7:09**	**17:39**	18:09	10:29	12:24	6:02	18:45	5:26	19:22
2/19	6:37	**7:07**	**17:40**	18:11	10:33	12:24	6:01	18:47	5:25	19:23

2/20	6:35	**7:05**	**17:42**	18:12	10:36	12:24	5:59	18:48	5:23	19:25
2/21	6:33	**7:04**	**17:44**	18:14	10:40	12:24	5:57	18:50	5:21	19:26
2/22	6:32	**7:02**	**17:45**	18:15	10:43	12:23	5:55	18:51	5:19	19:28
2/23	6:30	**7:00**	**17:47**	18:17	10:46	12:23	5:54	18:53	5:18	19:29
2/24	6:28	**6:58**	**17:48**	18:18	10:50	12:23	5:52	18:54	5:16	19:31
2/25	6:26	**6:56**	**17:50**	18:20	10:53	12:23	5:50	18:56	5:14	19:32
2/26	6:24	**6:54**	**17:51**	18:21	10:57	12:23	5:48	18:57	5:12	19:34
2/27	6:23	**6:52**	**17:53**	18:23	11:00	12:23	5:46	18:59	5:10	19:35
2/28	6:21	**6:50**	**17:55**	18:24	11:04	12:22	5:45	19:00	5:08	19:37
3/1	6:19	**6:48**	**17:56**	18:26	11:07	12:22	5:43	19:02	5:06	19:38
3/2	6:17	**6:46**	**17:58**	18:27	11:11	12:22	5:41	19:03	5:04	19:40
3/3	6:15	**6:45**	**17:59**	18:29	11:14	12:22	5:39	19:05	5:02	19:41
3/4	6:13	**6:43**	**18:01**	18:30	11:18	12:22	5:37	19:06	5:00	19:43
3/5	6:11	**6:41**	**18:02**	18:32	11:21	12:21	5:35	19:08	4:58	19:44
3/6	6:09	**6:39**	**18:04**	18:33	11:25	12:21	5:33	19:09	4:56	19:46
3/7	6:07	**6:37**	**18:05**	18:35	11:28	12:21	5:31	19:11	4:54	19:48
3/8	6:05	**6:35**	**18:07**	18:36	11:32	12:21	5:29	19:12	4:52	19:49
3/9	6:03	**6:33**	**18:08**	18:38	11:35	12:20	5:27	19:14	4:50	19:51
3/10	6:01	**6:31**	**18:10**	18:39	11:39	12:20	5:25	19:16	4:48	19:52
3/11	5:59	**6:28**	**18:11**	18:41	11:42	12:20	5:23	19:17	4:46	19:54
3/12	5:57	**6:26**	**18:13**	18:42	11:46	12:20	5:21	19:19	4:44	19:56
3/13	5:55	**6:24**	**18:14**	18:44	11:49	12:19	5:19	19:20	4:42	19:57
3/14	6:53	**7:22**	**19:16**	19:45	11:53	13:19	6:17	20:22	5:39	20:59
3/15	6:51	**7:20**	**19:17**	19:47	11:57	13:19	6:14	20:23	5:37	21:01
3/16	6:49	**7:18**	**19:19**	19:48	12:00	13:19	6:12	20:25	5:35	21:02
3/17	6:47	**7:16**	**19:20**	19:50	12:04	13:18	6:10	20:26	5:33	21:04
3/18	6:45	**7:14**	**19:22**	19:51	12:07	13:18	6:08	20:28	5:30	21:06
3/19	6:43	**7:12**	**19:23**	19:53	12:11	13:18	6:06	20:29	5:28	21:07
3/20	6:40	**7:10**	**19:25**	19:54	12:14	13:17	6:04	20:31	5:26	21:09
3/21	6:38	**7:08**	**19:26**	19:56	12:18	13:17	6:02	20:33	5:23	21:11
3/22	6:36	**7:06**	**19:28**	19:57	12:21	13:17	5:59	20:34	5:21	21:12
3/23	6:34	**7:04**	**19:29**	19:59	12:25	13:16	5:57	20:36	5:19	21:14
3/24	6:32	**7:02**	**19:31**	20:00	12:29	13:16	5:55	20:37	5:16	21:16
3/25	6:30	**7:00**	**19:32**	20:02	12:32	13:16	5:53	20:39	5:14	21:18
3/26	6:28	**6:58**	**19:34**	20:03	12:36	13:16	5:51	20:41	5:12	21:19
3/27	6:26	**6:55**	**19:35**	20:05	12:39	13:15	5:48	20:42	5:09	21:21
3/28	6:24	**6:53**	**19:37**	20:06	12:43	13:15	5:46	20:44	5:07	21:23
3/29	6:21	**6:51**	**19:38**	20:08	12:46	13:15	5:44	20:45	5:04	21:25
3/30	6:19	**6:49**	**19:39**	20:09	12:50	13:14	5:42	20:47	5:02	21:27
3/31	6:17	**6:47**	**19:41**	20:11	12:53	13:14	5:39	20:49	5:00	21:29
4/1	6:15	**6:45**	**19:42**	20:12	12:57	13:14	5:37	20:50	4:57	21:30
4/2	6:13	**6:43**	**19:44**	20:14	13:00	13:13	5:35	20:52	4:55	21:32
4/3	6:11	**6:41**	**19:45**	20:16	13:04	13:13	5:33	20:54	4:52	21:34
4/4	6:09	**6:39**	**19:47**	20:17	13:07	13:13	5:30	20:55	4:50	21:36
4/5	6:07	**6:37**	**19:48**	20:19	13:11	13:13	5:28	20:57	4:47	21:38
4/6	6:05	**6:35**	**19:50**	20:20	13:14	13:12	5:26	20:59	4:45	21:40
4/7	6:02	**6:33**	**19:51**	20:22	13:18	13:12	5:24	21:00	4:42	21:42
4/8	6:00	**6:31**	**19:53**	20:23	13:21	13:12	5:21	21:02	4:39	21:44
4/9	5:58	**6:29**	**19:54**	20:25	13:25	13:11	5:19	21:04	4:37	21:46
4/10	5:56	**6:27**	**19:56**	20:26	13:28	13:11	5:17	21:06	4:34	21:48
4/11	5:54	**6:25**	**19:57**	20:28	13:32	13:11	5:15	21:07	4:32	21:50
4/12	5:52	**6:23**	**19:58**	20:29	13:35	13:11	5:12	21:09	4:29	21:52

4/13	5:50	**6:21**	**20:00**	20:31	13:38	13:10	5:10	21:11	4:27	21:54
4/14	5:48	**6:19**	**20:01**	20:33	13:42	13:10	5:08	21:13	4:24	21:56
4/15	5:46	**6:17**	**20:03**	20:34	13:45	13:10	5:06	21:14	4:21	21:59
4/16	5:44	**6:15**	**20:04**	20:36	13:49	13:10	5:03	21:16	4:19	22:01
4/17	5:42	**6:13**	**20:06**	20:37	13:52	13:10	5:01	21:18	4:16	22:03
4/18	5:40	**6:11**	**20:07**	20:39	13:55	13:09	4:59	21:20	4:14	22:05
4/19	5:38	**6:09**	**20:09**	20:40	13:59	13:09	4:57	21:22	4:11	22:07
4/20	5:36	**6:08**	**20:10**	20:42	14:02	13:09	4:54	21:23	4:08	22:10
4/21	5:34	**6:06**	**20:12**	20:44	14:05	13:09	4:52	21:25	4:06	22:12
4/22	5:32	**6:04**	**20:13**	20:45	14:09	13:08	4:50	21:27	4:03	22:14
4/23	5:30	**6:02**	**20:14**	20:47	14:12	13:08	4:48	21:29	4:00	22:16
4/24	5:28	**6:00**	**20:16**	20:48	14:15	13:08	4:45	21:31	3:58	22:19
4/25	5:26	**5:59**	**20:17**	20:50	14:18	13:08	4:43	21:33	3:55	22:21
4/26	5:24	**5:57**	**20:19**	20:51	14:22	13:08	4:41	21:34	3:52	22:23
4/27	5:22	**5:55**	**20:20**	20:53	14:25	13:08	4:39	21:36	3:49	22:26
4/28	5:20	**5:53**	**20:22**	20:55	14:28	13:07	4:37	21:38	3:47	22:28
4/29	5:18	**5:52**	**20:23**	20:56	14:31	13:07	4:35	21:40	3:44	22:31
4/30	5:17	**5:50**	**20:25**	20:58	14:34	13:07	4:33	21:42	3:41	22:33
5/1	5:15	**5:48**	**20:26**	20:59	14:37	13:07	4:30	21:44	3:39	22:36
5/2	5:13	**5:47**	**20:27**	21:01	14:40	13:07	4:28	21:46	3:36	22:38
5/3	5:11	**5:45**	**20:29**	21:03	14:43	13:07	4:26	21:48	3:33	22:41
5/4	5:09	**5:43**	**20:30**	21:04	14:46	13:07	4:24	21:49	3:30	22:43
5/5	5:08	**5:42**	**20:32**	21:06	14:49	13:07	4:22	21:51	3:28	22:46
5/6	5:06	**5:40**	**20:33**	21:07	14:52	13:07	4:20	21:53	3:25	22:48
5/7	5:04	**5:39**	**20:35**	21:09	14:55	13:07	4:18	21:55	3:22	22:51
5/8	5:03	**5:37**	**20:36**	21:10	14:58	13:07	4:16	21:57	3:19	22:54
5/9	5:01	**5:36**	**20:37**	21:12	15:01	13:07	4:14	21:59	3:17	22:56
5/10	4:59	**5:34**	**20:39**	21:13	15:04	13:06	4:12	22:01	3:14	22:59
5/11	4:58	**5:33**	**20:40**	21:15	15:07	13:06	4:10	22:03	3:11	23:02
5/12	4:56	**5:31**	**20:41**	21:17	15:09	13:06	4:08	22:05	3:08	23:04
5/13	4:55	**5:30**	**20:43**	21:18	15:12	13:06	4:06	22:06	3:06	23:07
5/14	4:53	**5:29**	**20:44**	21:20	15:15	13:06	4:05	22:08	3:03	23:10
5/15	4:52	**5:28**	**20:45**	21:21	15:17	13:06	4:03	22:10	3:00	23:13
5/16	4:50	**5:26**	**20:47**	21:22	15:20	13:06	4:01	22:12	2:57	23:15
5/17	4:49	**5:25**	**20:48**	21:24	15:22	13:06	3:59	22:14	2:55	23:18
5/18	4:48	**5:24**	**20:49**	21:25	15:25	13:07	3:57	22:16	2:52	23:21
5/19	4:46	**5:23**	**20:50**	21:27	15:27	13:07	3:56	22:17	2:49	23:24
5/20	4:45	**5:22**	**20:52**	21:28	15:30	13:07	3:54	22:19	2:46	23:27
5/21	4:44	**5:21**	**20:53**	21:30	15:32	13:07	3:52	22:21	2:44	23:30
5/22	4:43	**5:19**	**20:54**	21:31	15:34	13:07	3:51	22:23	2:41	23:33
5/23	4:41	**5:18**	**20:55**	21:32	15:36	13:07	3:49	22:24	2:38	23:35
5/24	4:40	**5:17**	**20:56**	21:34	15:38	13:07	3:48	22:26	2:36	23:38
5/25	4:39	**5:17**	**20:58**	21:35	15:41	13:07	3:46	22:28	2:33	23:41
5/26	4:38	**5:16**	**20:59**	21:36	15:43	13:07	3:45	22:29	2:30	23:44
5/27	4:37	**5:15**	**21:00**	21:37	15:45	13:07	3:44	22:31	2:27	23:47
5/28	4:36	**5:14**	**21:01**	21:39	15:46	13:07	3:42	22:33	2:25	23:50
5/29	4:35	**5:13**	**21:02**	21:40	15:48	13:08	3:41	22:34	2:22	23:53
5/30	4:34	**5:12**	**21:03**	21:41	15:50	13:08	3:40	22:36	2:19	23:56
5/31	4:34	**5:12**	**21:04**	21:42	15:52	13:08	3:39	22:37	2:17	23:59
6/1	4:33	**5:11**	**21:05**	21:43	15:53	13:08	3:38	22:38	2:14	0:02
6/2	4:32	**5:11**	**21:06**	21:44	15:55	13:08	3:36	22:40	2:12	0:05
6/3	4:31	**5:10**	**21:07**	21:45	15:56	13:08	3:35	22:41	2:09	0:08

6/4	4:31	**5:09**	**21:08**	21:46	15:58	13:09	3:35	22:42	2:06	0:11
6/5	4:30	**5:09**	**21:08**	21:47	15:59	13:09	3:34	22:44	2:04	0:13
6/6	4:30	**5:09**	**21:09**	21:48	16:00	13:09	3:33	22:45	2:01	0:16
6/7	4:29	**5:08**	**21:10**	21:49	16:01	13:09	3:32	22:46	1:59	0:19
6/8	4:29	**5:08**	**21:11**	21:50	16:02	13:09	3:31	22:47	1:57	0:22
6/9	4:28	**5:07**	**21:11**	21:51	16:03	13:09	3:31	22:48	1:54	0:25
6/10	4:28	**5:07**	**21:12**	21:51	16:04	13:10	3:30	22:49	1:52	0:27
6/11	4:28	**5:07**	**21:13**	21:52	16:05	13:10	3:30	22:50	1:50	0:30
6/12	4:27	**5:07**	**21:13**	21:53	16:06	13:10	3:29	22:51	1:48	0:32
6/13	4:27	**5:07**	**21:14**	21:53	16:07	13:10	3:29	22:52	1:46	0:34
6/14	4:27	**5:07**	**21:14**	21:54	16:07	13:10	3:29	22:52	1:45	0:36
6/15	4:27	**5:07**	**21:15**	21:54	16:08	13:11	3:29	22:53	1:43	0:38
6/16	4:27	**5:07**	**21:15**	21:55	16:08	13:11	3:28	22:53	1:42	0:40
6/17	4:27	**5:07**	**21:16**	21:55	16:08	13:11	3:28	22:54	1:41	0:41
6/18	4:27	**5:07**	**21:16**	21:56	16:09	13:11	3:28	22:54	1:40	0:43
6/19	4:27	**5:07**	**21:16**	21:56	16:09	13:12	3:28	22:55	1:40	0:43
6/20	4:27	**5:07**	**21:17**	21:56	16:09	13:12	3:29	22:55	1:40	0:44
6/21	4:28	**5:07**	**21:17**	21:56	16:09	13:12	3:29	22:55	1:40	0:44
6/22	4:28	**5:08**	**21:17**	21:57	16:09	13:12	3:29	22:55	1:41	0:44
6/23	4:28	**5:08**	**21:17**	21:57	16:09	13:12	3:30	22:55	1:42	0:43
6/24	4:29	**5:08**	**21:17**	21:57	16:08	13:13	3:30	22:55	1:43	0:43
6/25	4:29	**5:09**	**21:17**	21:57	16:08	13:13	3:30	22:55	1:44	0:41
6/26	4:29	**5:09**	**21:17**	21:57	16:08	13:13	3:31	22:55	1:46	0:40
6/27	4:30	**5:10**	**21:17**	21:57	16:07	13:13	3:32	22:55	1:48	0:38
6/28	4:31	**5:10**	**21:17**	21:56	16:06	13:13	3:32	22:55	1:50	0:37
6/29	4:31	**5:11**	**21:17**	21:56	16:06	13:14	3:33	22:54	1:53	0:35
6/30	4:32	**5:11**	**21:17**	21:56	16:05	13:14	3:34	22:54	1:55	0:33
7/1	4:32	**5:12**	**21:16**	21:56	16:04	13:14	3:35	22:53	1:58	0:31
7/2	4:33	**5:12**	**21:16**	21:55	16:03	13:14	3:36	22:53	2:00	0:28
7/3	4:34	**5:13**	**21:16**	21:55	16:02	13:14	3:37	22:52	2:03	0:26
7/4	4:35	**5:14**	**21:15**	21:54	16:01	13:15	3:38	22:51	2:06	0:24
7/5	4:36	**5:15**	**21:15**	21:54	16:00	13:15	3:39	22:50	2:08	0:21
7/6	4:37	**5:15**	**21:14**	21:53	15:59	13:15	3:40	22:50	2:11	0:19
7/7	4:38	**5:16**	**21:14**	21:53	15:57	13:15	3:42	22:49	2:14	0:16
7/8	4:39	**5:17**	**21:13**	21:52	15:56	13:15	3:43	22:48	2:17	0:14
7/9	4:40	**5:18**	**21:13**	21:51	15:54	13:15	3:44	22:47	2:20	0:11
7/10	4:41	**5:19**	**21:12**	21:50	15:53	13:16	3:46	22:46	2:23	0:08
7/11	4:42	**5:20**	**21:11**	21:50	15:51	13:16	3:47	22:44	2:26	0:06
7/12	4:43	**5:21**	**21:11**	21:49	15:49	13:16	3:48	22:43	2:28	0:03
7/13	4:44	**5:22**	**21:10**	21:48	15:48	13:16	3:50	22:42	2:31	0:00
7/14	4:45	**5:23**	**21:09**	21:47	15:46	13:16	3:51	22:41	2:34	23:58
7/15	4:46	**5:24**	**21:08**	21:46	15:44	13:16	3:53	22:39	2:37	23:55
7/16	4:48	**5:25**	**21:07**	21:45	15:42	13:16	3:55	22:38	2:40	23:52
7/17	4:49	**5:26**	**21:07**	21:44	15:40	13:16	3:56	22:36	2:43	23:50
7/18	4:50	**5:27**	**21:06**	21:43	15:38	13:16	3:58	22:35	2:46	23:47
7/19	4:51	**5:28**	**21:05**	21:42	15:36	13:16	3:59	22:33	2:49	23:44
7/20	4:53	**5:30**	**21:03**	21:40	15:33	13:16	4:01	22:32	2:52	23:41
7/21	4:54	**5:31**	**21:02**	21:39	15:31	13:17	4:03	22:30	2:54	23:39
7/22	4:55	**5:32**	**21:01**	21:38	15:29	13:17	4:05	22:29	2:57	23:36
7/23	4:57	**5:33**	**21:00**	21:36	15:27	13:17	4:06	22:27	3:00	23:33
7/24	4:58	**5:34**	**20:59**	21:35	15:24	13:17	4:08	22:25	3:03	23:30
7/25	5:00	**5:36**	**20:58**	21:34	15:22	13:17	4:10	22:23	3:06	23:28

7/26	5:01	**5:37**	**20:56**	21:32	15:19	13:17	4:12	22:22	3:08	23:25
7/27	5:02	**5:38**	**20:55**	21:31	15:17	13:17	4:13	22:20	3:11	23:22
7/28	5:04	**5:39**	**20:54**	21:29	15:14	13:17	4:15	22:18	3:14	23:19
7/29	5:05	**5:41**	**20:53**	21:28	15:11	13:17	4:17	22:16	3:16	23:17
7/30	5:07	**5:42**	**20:51**	21:26	15:09	13:17	4:19	22:14	3:19	23:14
7/31	5:08	**5:43**	**20:50**	21:25	15:06	13:16	4:21	22:12	3:22	23:11
8/1	5:10	**5:44**	**20:48**	21:23	15:03	13:16	4:22	22:10	3:24	23:08
8/2	5:11	**5:46**	**20:47**	21:21	15:01	13:16	4:24	22:08	3:27	23:06
8/3	5:13	**5:47**	**20:45**	21:20	14:58	13:16	4:26	22:06	3:30	23:03
8/4	5:14	**5:48**	**20:44**	21:18	14:55	13:16	4:28	22:04	3:32	23:00
8/5	5:16	**5:50**	**20:42**	21:16	14:52	13:16	4:30	22:02	3:35	22:57
8/6	5:17	**5:51**	**20:41**	21:15	14:49	13:16	4:32	22:00	3:37	22:55
8/7	5:19	**5:53**	**20:39**	21:13	14:46	13:16	4:33	21:58	3:40	22:52
8/8	5:20	**5:54**	**20:37**	21:11	14:43	13:16	4:35	21:56	3:42	22:49
8/9	5:22	**5:55**	**20:36**	21:09	14:40	13:16	4:37	21:54	3:45	22:46
8/10	5:23	**5:57**	**20:34**	21:07	14:37	13:15	4:39	21:52	3:47	22:44
8/11	5:25	**5:58**	**20:32**	21:06	14:34	13:15	4:41	21:50	3:50	22:41
8/12	5:26	**5:59**	**20:31**	21:04	14:31	13:15	4:42	21:48	3:52	22:38
8/13	5:28	**6:01**	**20:29**	21:02	14:28	13:15	4:44	21:45	3:54	22:35
8/14	5:29	**6:02**	**20:27**	21:00	14:25	13:15	4:46	21:43	3:57	22:33
8/15	5:31	**6:03**	**20:25**	20:58	14:21	13:14	4:48	21:41	3:59	22:30
8/16	5:32	**6:05**	**20:24**	20:56	14:18	13:14	4:50	21:39	4:01	22:27
8/17	5:34	**6:06**	**20:22**	20:54	14:15	13:14	4:51	21:37	4:03	22:25
8/18	5:35	**6:08**	**20:20**	20:52	14:12	13:14	4:53	21:34	4:06	22:22
8/19	5:37	**6:09**	**20:18**	20:50	14:09	13:14	4:55	21:32	4:08	22:19
8/20	5:38	**6:10**	**20:16**	20:48	14:05	13:13	4:57	21:30	4:10	22:17
8/21	5:40	**6:12**	**20:14**	20:46	14:02	13:13	4:58	21:28	4:12	22:14
8/22	5:41	**6:13**	**20:12**	20:44	13:59	13:13	5:00	21:25	4:14	22:11
8/23	5:43	**6:15**	**20:11**	20:42	13:56	13:13	5:02	21:23	4:17	22:09
8/24	5:44	**6:16**	**20:09**	20:40	13:52	13:12	5:04	21:21	4:19	22:06
8/25	5:46	**6:17**	**20:07**	20:38	13:49	13:12	5:05	21:19	4:21	22:03
8/26	5:47	**6:19**	**20:05**	20:36	13:46	13:12	5:07	21:16	4:23	22:01
8/27	5:49	**6:20**	**20:03**	20:34	13:42	13:11	5:09	21:14	4:25	21:58
8/28	5:50	**6:21**	**20:01**	20:32	13:39	13:11	5:10	21:12	4:27	21:55
8/29	5:52	**6:23**	**19:59**	20:30	13:35	13:11	5:12	21:10	4:29	21:53
8/30	5:53	**6:24**	**19:57**	20:28	13:32	13:11	5:14	21:07	4:31	21:50
8/31	5:55	**6:26**	**19:55**	20:26	13:29	13:10	5:15	21:05	4:33	21:47
9/1	5:56	**6:27**	**19:53**	20:23	13:25	13:10	5:17	21:03	4:35	21:45
9/2	5:58	**6:28**	**19:51**	20:21	13:22	13:10	5:19	21:00	4:37	21:42
9/3	5:59	**6:30**	**19:49**	20:19	13:18	13:09	5:20	20:58	4:39	21:40
9/4	6:01	**6:31**	**19:47**	20:17	13:15	13:09	5:22	20:56	4:41	21:37
9/5	6:02	**6:33**	**19:45**	20:15	13:12	13:09	5:24	20:54	4:42	21:35
9/6	6:04	**6:34**	**19:43**	20:13	13:08	13:08	5:25	20:51	4:44	21:32
9/7	6:05	**6:35**	**19:41**	20:11	13:05	13:08	5:27	20:49	4:46	21:30
9/8	6:07	**6:37**	**19:38**	20:09	13:01	13:08	5:28	20:47	4:48	21:27
9/9	6:08	**6:38**	**19:36**	20:06	12:58	13:07	5:30	20:44	4:50	21:25
9/10	6:09	**6:39**	**19:34**	20:04	12:54	13:07	5:32	20:42	4:52	21:22
9/11	6:11	**6:41**	**19:32**	20:02	12:51	13:06	5:33	20:40	4:53	21:20
9/12	6:12	**6:42**	**19:30**	20:00	12:47	13:06	5:35	20:38	4:55	21:17
9/13	6:14	**6:44**	**19:28**	19:58	12:44	13:06	5:36	20:35	4:57	21:15
9/14	6:15	**6:45**	**19:26**	19:56	12:40	13:05	5:38	20:33	4:59	21:12
9/15	6:17	**6:46**	**19:24**	19:54	12:37	13:05	5:39	20:31	5:00	21:10

9/16	6:18	**6:48**	**19:22**	19:51	12:34	13:05	5:41	20:29	5:02	21:07
9/17	6:19	**6:49**	**19:20**	19:49	12:30	13:04	5:42	20:26	5:04	21:05
9/18	6:21	**6:50**	**19:18**	19:47	12:27	13:04	5:44	20:24	5:05	21:03
9/19	6:22	**6:52**	**19:15**	19:45	12:23	13:04	5:45	20:22	5:07	21:00
9/20	6:24	**6:53**	**19:13**	19:43	12:20	13:03	5:47	20:20	5:09	20:58
9/21	6:25	**6:55**	**19:11**	19:41	12:16	13:03	5:48	20:18	5:10	20:56
9/22	6:27	**6:56**	**19:09**	19:39	12:13	13:03	5:50	20:15	5:12	20:53
9/23	6:28	**6:57**	**19:07**	19:37	12:09	13:02	5:51	20:13	5:14	20:51
9/24	6:29	**6:59**	**19:05**	19:34	12:06	13:02	5:53	20:11	5:15	20:49
9/25	6:31	**7:00**	**19:03**	19:32	12:02	13:02	5:54	20:09	5:17	20:46
9/26	6:32	**7:02**	**19:01**	19:30	11:59	13:01	5:56	20:07	5:18	20:44
9/27	6:34	**7:03**	**18:59**	19:28	11:55	13:01	5:57	20:05	5:20	20:42
9/28	6:35	**7:04**	**18:57**	19:26	11:52	13:01	5:59	20:02	5:22	20:40
9/29	6:36	**7:06**	**18:54**	19:24	11:48	13:00	6:00	20:00	5:23	20:37
9/30	6:38	**7:07**	**18:52**	19:22	11:45	13:00	6:02	19:58	5:25	20:35
10/1	6:39	**7:09**	**18:50**	19:20	11:41	13:00	6:03	19:56	5:26	20:33
10/2	6:41	**7:10**	**18:48**	19:18	11:38	12:59	6:04	19:54	5:28	20:31
10/3	6:42	**7:12**	**18:46**	19:16	11:34	12:59	6:06	19:52	5:29	20:29
10/4	6:44	**7:13**	**18:44**	19:14	11:31	12:59	6:07	19:50	5:31	20:27
10/5	6:45	**7:14**	**18:42**	19:12	11:27	12:58	6:09	19:48	5:32	20:24
10/6	6:46	**7:16**	**18:40**	19:10	11:24	12:58	6:10	19:46	5:34	20:22
10/7	6:48	**7:17**	**18:38**	19:08	11:20	12:58	6:12	19:44	5:35	20:20
10/8	6:49	**7:19**	**18:36**	19:06	11:17	12:57	6:13	19:42	5:37	20:18
10/9	6:51	**7:20**	**18:34**	19:04	11:13	12:57	6:15	19:40	5:38	20:16
10/10	6:52	**7:22**	**18:32**	19:02	11:10	12:57	6:16	19:38	5:40	20:14
10/11	6:53	**7:23**	**18:30**	19:00	11:06	12:57	6:17	19:36	5:41	20:12
10/12	6:55	**7:25**	**18:28**	18:58	11:03	12:56	6:19	19:34	5:43	20:10
10/13	6:56	**7:26**	**18:26**	18:56	11:00	12:56	6:20	19:32	5:44	20:08
10/14	6:58	**7:28**	**18:24**	18:54	10:56	12:56	6:22	19:30	5:45	20:06
10/15	6:59	**7:29**	**18:22**	18:52	10:53	12:56	6:23	19:28	5:47	20:05
10/16	7:01	**7:31**	**18:20**	18:50	10:49	12:56	6:24	19:27	5:48	20:03
10/17	7:02	**7:32**	**18:19**	18:49	10:46	12:55	6:26	19:25	5:50	20:01
10/18	7:04	**7:34**	**18:17**	18:47	10:43	12:55	6:27	19:23	5:51	19:59
10/19	7:05	**7:35**	**18:15**	18:45	10:39	12:55	6:29	19:21	5:53	19:57
10/20	7:06	**7:37**	**18:13**	18:43	10:36	12:55	6:30	19:19	5:54	19:55
10/21	7:08	**7:38**	**18:11**	18:41	10:33	12:55	6:32	19:18	5:55	19:54
10/22	7:09	**7:40**	**18:09**	18:40	10:29	12:54	6:33	19:16	5:57	19:52
10/23	7:11	**7:41**	**18:08**	18:38	10:26	12:54	6:34	19:14	5:58	19:50
10/24	7:12	**7:43**	**18:06**	18:36	10:23	12:54	6:36	19:13	6:00	19:49
10/25	7:14	**7:44**	**18:04**	18:34	10:19	12:54	6:37	19:11	6:01	19:47
10/26	7:15	**7:46**	**18:02**	18:33	10:16	12:54	6:39	19:09	6:03	19:45
10/27	7:17	**7:47**	**18:01**	18:31	10:13	12:54	6:40	19:08	6:04	19:44
10/28	7:18	**7:49**	**17:59**	18:30	10:10	12:54	6:41	19:06	6:05	19:42
10/29	7:20	**7:50**	**17:57**	18:28	10:06	12:54	6:43	19:05	6:07	19:41
10/30	7:21	**7:52**	**17:56**	18:26	10:03	12:54	6:44	19:03	6:08	19:39
10/31	7:22	**7:53**	**17:54**	18:25	10:00	12:54	6:46	19:02	6:09	19:38
11/1	7:24	**7:55**	**17:52**	18:23	9:57	12:54	6:47	19:00	6:11	19:36
11/2	7:25	**7:57**	**17:51**	18:22	9:54	12:54	6:48	18:59	6:12	19:35
11/3	7:27	**7:58**	**17:49**	18:20	9:51	12:54	6:50	18:57	6:14	19:34
11/4	7:28	**8:00**	**17:48**	18:19	9:48	12:54	6:51	18:56	6:15	19:32
11/5	7:30	**8:01**	**17:46**	18:18	9:45	12:54	6:53	18:55	6:16	19:31
11/6	7:31	**8:03**	**17:45**	18:16	9:42	12:54	6:54	18:53	6:18	19:30

11/7	6:33	**7:04**	**16:43**	17:15	9:39	11:54	5:55	17:52	5:19	18:29
11/8	6:34	**7:06**	**16:42**	17:14	9:36	11:54	5:57	17:51	5:20	18:27
11/9	6:36	**7:07**	**16:41**	17:12	9:33	11:54	5:58	17:50	5:22	18:26
11/10	6:37	**7:09**	**16:39**	17:11	9:30	11:54	5:59	17:49	5:23	18:25
11/11	6:38	**7:10**	**16:38**	17:10	9:27	11:54	6:01	17:47	5:24	18:24
11/12	6:40	**7:12**	**16:37**	17:09	9:24	11:54	6:02	17:46	5:25	18:23
11/13	6:41	**7:13**	**16:35**	17:08	9:21	11:54	6:04	17:45	5:27	18:22
11/14	6:43	**7:15**	**16:34**	17:06	9:19	11:55	6:05	17:44	5:28	18:21
11/15	6:44	**7:16**	**16:33**	17:05	9:16	11:55	6:06	17:43	5:29	18:20
11/16	6:46	**7:18**	**16:32**	17:04	9:13	11:55	6:07	17:42	5:31	18:19
11/17	6:47	**7:19**	**16:31**	17:03	9:11	11:55	6:09	17:41	5:32	18:18
11/18	6:48	**7:21**	**16:30**	17:02	9:08	11:55	6:10	17:41	5:33	18:18
11/19	6:50	**7:22**	**16:29**	17:01	9:06	11:56	6:11	17:40	5:34	18:17
11/20	6:51	**7:24**	**16:28**	17:01	9:03	11:56	6:13	17:39	5:36	18:16
11/21	6:52	**7:25**	**16:27**	17:00	9:01	11:56	6:14	17:38	5:37	18:15
11/22	6:54	**7:27**	**16:26**	16:59	8:59	11:56	6:15	17:38	5:38	18:15
11/23	6:55	**7:28**	**16:25**	16:58	8:56	11:57	6:16	17:37	5:39	18:14
11/24	6:56	**7:30**	**16:24**	16:58	8:54	11:57	6:18	17:36	5:40	18:13
11/25	6:58	**7:31**	**16:24**	16:57	8:52	11:57	6:19	17:36	5:41	18:13
11/26	6:59	**7:32**	**16:23**	16:56	8:50	11:58	6:20	17:35	5:43	18:12
11/27	7:00	**7:34**	**16:22**	16:56	8:48	11:58	6:21	17:35	5:44	18:12
11/28	7:01	**7:35**	**16:21**	16:55	8:46	11:58	6:22	17:34	5:45	18:12
11/29	7:03	**7:36**	**16:21**	16:55	8:44	11:59	6:23	17:34	5:46	18:11
11/30	7:04	**7:38**	**16:20**	16:54	8:42	11:59	6:25	17:33	5:47	18:11
12/1	7:05	**7:39**	**16:20**	16:54	8:41	11:59	6:26	17:33	5:48	18:11
12/2	7:06	**7:40**	**16:19**	16:53	8:39	12:00	6:27	17:33	5:49	18:10
12/3	7:07	**7:41**	**16:19**	16:53	8:37	12:00	6:28	17:32	5:50	18:10
12/4	7:08	**7:42**	**16:19**	16:53	8:36	12:00	6:29	17:32	5:51	18:10
12/5	7:09	**7:43**	**16:18**	16:53	8:34	12:01	6:30	17:32	5:52	18:10
12/6	7:10	**7:45**	**16:18**	16:52	8:33	12:01	6:31	17:32	5:53	18:10
12/7	7:11	**7:46**	**16:18**	16:52	8:32	12:02	6:32	17:32	5:54	18:10
12/8	7:12	**7:47**	**16:18**	16:52	8:31	12:02	6:33	17:32	5:55	18:10
12/9	7:13	**7:48**	**16:18**	16:52	8:29	12:03	6:34	17:32	5:56	18:10
12/10	7:14	**7:49**	**16:18**	16:52	8:28	12:03	6:34	17:32	5:57	18:10
12/11	7:15	**7:50**	**16:18**	16:52	8:27	12:04	6:35	17:32	5:57	18:10
12/12	7:16	**7:50**	**16:18**	16:52	8:27	12:04	6:36	17:32	5:58	18:10
12/13	7:17	**7:51**	**16:18**	16:52	8:26	12:05	6:37	17:32	5:59	18:10
12/14	7:18	**7:52**	**16:18**	16:52	8:25	12:05	6:38	17:32	6:00	18:10
12/15	7:18	**7:53**	**16:18**	16:53	8:25	12:05	6:38	17:33	6:00	18:11
12/16	7:19	**7:54**	**16:18**	16:53	8:24	12:06	6:39	17:33	6:01	18:11
12/17	7:20	**7:54**	**16:19**	16:53	8:24	12:06	6:40	17:33	6:02	18:11
12/18	7:20	**7:55**	**16:19**	16:54	8:23	12:07	6:40	17:34	6:02	18:12
12/19	7:21	**7:56**	**16:19**	16:54	8:23	12:07	6:41	17:34	6:03	18:12
12/20	7:21	**7:56**	**16:20**	16:54	8:23	12:08	6:41	17:34	6:03	18:12
12/21	7:22	**7:57**	**16:20**	16:55	8:23	12:08	6:42	17:35	6:04	18:13
12/22	7:22	**7:57**	**16:21**	16:55	8:23	12:09	6:42	17:35	6:04	18:13
12/23	7:23	**7:58**	**16:21**	16:56	8:23	12:09	6:43	17:36	6:05	18:14
12/24	7:23	**7:58**	**16:22**	16:57	8:24	12:10	6:43	17:37	6:05	18:15
12/25	7:24	**7:58**	**16:23**	16:57	8:24	12:10	6:44	17:37	6:06	18:15
12/26	7:24	**7:59**	**16:23**	16:58	8:24	12:11	6:44	17:38	6:06	18:16
12/27	7:24	**7:59**	**16:24**	16:59	8:25	12:11	6:44	17:39	6:06	18:17
12/28	7:24	**7:59**	**16:25**	16:59	8:25	12:12	6:44	17:39	6:06	18:17

12/29	7:24	**7:59**	**16:26**	17:00	8:26	12:12	6:45	17:40	6:07	18:18
12/30	7:25	**7:59**	**16:27**	17:01	8:27	12:13	6:45	17:41	6:07	18:19
12/31	7:25	**7:59**	**16:27**	17:02	8:28	12:13	6:45	17:42	6:07	18:20

Month	Timeframe	Sunrise	Sunset
January	Timeframe	7:54	16:46
0	Night		
724	First Light		
924	Late Morning		
1024	Mid-day		
1515	Late Afternoon		
1715	Night		
February	Timeframe	7:14	17:34
0	Night		
644	First Light		
844	Late Morning		
944	Mid-day		
1600	Late Afternoon		
1800	Night		
FH March	Timeframe	6:37	18:05
0	Night		
607	First Light		
807	Late Morning		
907	Mid-day		
1635	Late Afternoon		
1835	Night		
SH March	Timeframe	7:06	19:28
0	Night		
636	First Light		
836	Late Morning		
936	Mid-day		
1758	Late Afternoon		
1958	Night		
April	Timeframe	6:17	20:03
0	Night		
547	First Light		
747	Late Morning		
847	Mid-day		
1833	Late Afternoon		
2033	Night		
May	Timeframe	5:28	20:45
0	Night		
458	First Light		
658	Late Morning		
758	Mid-day		
1915	Late Afternoon		
2115	Night		
June	Timeframe	5:07	21:15
0	Night		
437	First Light		
637	Late Morning		
737	Mid-day		
1945	Late Afternoon		
2145	Night		
July	Timeframe	5:24	21:08
0	Night		
456	First Light		
656	Late Morning		
756	Mid-day		
1938	Late Afternoon		
2138	Night		
August	Timeframe	6:03	20:25
0	Night		
533	First Light		
733	Late Morning		
833	Mid-day		
1855	Late Afternoon		
2055	Night		
September	Timeframe	6:46	19:24
0	Night		
616	First Light		
816	Late Morning		
916	Mid-day		
1754	Late Afternoon		
1954	Night		
October	Timeframe	7:29	18:22
0	Night		
659	First Light		
859	Late Morning		
959	Mid-day		
1652	Late Afternoon		
1852	Night		
FH Noveml	Timeframe	7:58	17:49
0	Night		
738	First Light		
938	Late Morning		
1038	Mid-day		
1619	Late Afternoon		
1819	Night		
SH Noveml	Timeframe	7:21	16:30
0	Night		
651	First Light		
851	Late Morning		
951	Mid-day		
1500	Late Afternoon		
1700	Night		
December	Timeframe	7:53	16:18
0	Night		
723	First Light		
923	Late Morning		
1023	Mid-day		
1448	Late Afternoon		

Sunrise and Sunset times are based on the mean data for that set of sunrise/sunset data for a given month. For months March and November which have a time change for Daylight savings the sunrise and sunset times are for the mean data between beginning of month and date of time change and again between the date of time change for end of month.

1648 Night