

year	month	day	UTC_Swarm_A	dUTC	dMlon	18° ApexLat	17° ApexLat	16° ApexLat	15° ApexLat	14° ApexLat	Apex at B	12.5°-14°	Apex at A	max ApexLat	dMLT	dGlon
2021	9	30	3.943665833	0.039166667	0.01516			AB	AB	AB	X	X		-16.5	0.038974762	0.4226383
2021	9	13	4.929776944	0.020555556	0.059618							X	X	-13	0.024591446	0.3446664
2021	9	26	3.694776944	0.003055556	0.068272								X	12.5	0.00765419	0.3113809
2021	9	30	11.84408222	0.087638611	0.207748					AB	X	X		14.5	0.100345612	0.1576641
2021	10	4	18.37130444	0.060694167	0.222229			A	AB	AB	X	X	X	16	0.075304031	0.340393
2021	9	17	19.36602667	0.128749722	0.239502								X	13	0.145679474	0.3379727
2021	9	30	5.512276944	0.032777778	0.246269			A	AB	A			X	-16	0.017032623	0.2053824
2021	10	8	21.78936	0.078888889	0.284126	AB		AB		AB	X	X	X	18.5	0.096567154	0.1680053
2021	9	13	6.500610278	0.0309725	0.307358							X	X	-13	0.051437378	0.1428338
2021	10	12	21.18172139	0.105694167	0.362518	AB	AB	B	B	B	X		X	21.5	0.127985477	0.251776
2021	9	21	19.62172139	0.094583611	0.413399				B	AB	X	X		-15	0.067203522	0.4482794
2021	9	9	7.814776944	0.074722222	0.43277	AB		AB	A					20.5	0.102832794	0.8361348
2021	9	17	13.08519333	0.110971944	0.505219		AB	AB	AB	AB	X	X	X	-17.5	0.077133179	0.5464675
2021	9	17	20.93061028	0.126805833	0.512268	AB	AB	AB	AB	AB	X	X	X	19.5	0.160341263	0.6001966
2021	9	13	8.067415556	0.033611111	0.541786				B	AB		X	X	-15.5	0.069452286	0.0859847
2021	10	8	23.22519333	0.164028056	0.561434					AB	X	X	X	-14.5	0.125	1.2801551
2021	10	4	19.93408222	0.055277778	0.598885	A	AB	A	A	A		X	X	18.5	0.094631195	0.6210515
2021	9	30	13.39338806	0.055277778	0.605865		AB	AB	A	B	X		X	17	0.095266342	0.5580286
2021	10	12	21.25199917	0.015416944	0.612793	A	A	A	A	A		X	X	-19.5	0.025709152	0.8425427
2021	9	17	11.52866583	0.128888889	0.649872				AB	AB	X	X	X	-15.5	0.084157944	0.8754188
2021	9	13	9.635748889	0.039305278	0.741791	MST	MST	MST	MST	MST		X	X	-13.5	0.088226318	0.29348
2021	9	21	18.05811028	0.098750278	0.784737		A	AB	AB	A		X	X	-17.5	0.047592163	0.7055097
2021	9	30	11.77588806	0.030138611	0.791534				AB	AB	X	X	X	-15.5	0.023023605	0.7300875
2021	9	17	19.30102667	0.016944444	0.814888					A	X	X	X	-14.5	0.071399689	0.8820906
2021	10	4	18.30644361	0.051111111	0.854362			AB	B	B	X	X	X	-16.5	0.006019592	0.8778929
2021	9	30	14.94741556	0.032083056	0.938156						X		X	14	0.094646454	0.9136917
2021	9	13	8.138388056	0.155139167	0.952408	MST	MST	MST		B	X	X	X	14.5	0.090351105	0.5261026
2021	10	12	19.71436	0.071805278	0.994225	MST	MST	MST	B	B		X	X	-15.5	0.004410744	1.3744783
2021	9	30	13.32727694	0.058749722	1.084274				A	AB	B	X	X	-16.5	0.013965607	1.115589
2021	10	12	19.64311028	0.050971944	1.096451	MST	MST	A				X	X	16.5	0.123280525	0.7609698
2021	9	17	22.48741556	0.108749722	1.102364	AB	AB			A		X		23	0.180871964	0.9372938
2021	10	4	19.86977694	0.055694167	1.105881	A	A		A	AB		X	X	-18.5	0.018604279	1.1394669
2021	9	17	20.86616583	0.0159725	1.117561	AB	AB	A	AB	AB	X	X	X	-21	0.090400696	1.1233089
2021	9	13	6.571582222	0.1525	1.134987					B		X		14.5	0.076702118	0.7470488
2021	9	5	2.749637778	0.076666667	1.163548				A	B	X	X	X	-15	0.001667023	1.8381406
2021	9	30	5.583248889	0.088888889	1.213879								X	12.5	0.009788513	0.8126691
2021	10	4	21.42088806	0.085694167	1.224239		A	A	A					-17.5	0.002811432	1.5337225
2021	9	13	5.00186	0.143749722	1.254515	A	A	AB	AB	A		X	X	20.5	0.060535431	0.9363046
2021	10	4	21.48644361	0.027916944	1.273262				A	A		X		17	0.112386703	0.9989272
2021	9	26	3.622554722	0.120694167	1.274717					A		X		-14.5	0.037561417	0.9025925
2021	9	30	0.908665833	0.136111111	1.298978			B	B	B		X		16	0.049308777	1.7721954
2021	9	30	14.88255472	0.079722222	1.377167					B				-14.5	0.012041092	1.4584484
2021	9	30	4.015471111	0.083888889	1.3778					B				14.5	0.006210327	1.0219185
2021	10	8	23.30380444	0.027083611	1.380144				AB		X	X		15.5	0.065187454	0.592543
2021	10	8	13.94963778	0.073333333	1.437653							X	X	-13.5	0.023300171	1.3686878
2021	9	22	4.94436	0.066388889	1.486984		B		B	AB				17.5	0.031890869	1.8264682