

31 aout 2019

22h44m29s	Shiyan 2 LM Rocket (28480 2004-046-B) →Ground track →Star chart	Appears 22h41m55s 4.7mag az:189.5° S h:26.4° Culmination 22h44m29s 4.1mag az:259.7° W h:58.5° distance: 842.9km height above Earth: 732.6km elevation of Sun: -22° angular velocity: 0.52°/s Disappears 22h51m47s 8.6mag az:343.8° NNW horizon	
22h44m44s	Cosmos 1536 Rocket (14700 1984-013-B) →Ground track →Star chart	Appears 22h38m07s 8.9mag az:354.2° N horizon at Meridian 22h41m00s 7.4mag az: 0.0° N h:13.8° Culmination 22h44m44s 4.2mag az: 79.3° E h:60.7° (in penumbra) distance: 698.8km height above Earth: 617.8km elevation of Sun: -22° angular velocity: 0.61°/s Disappears 22h44m53s 4.2mag az: 90.6° E h:60.2°	
22h46m29s	Dnepr r Db AL (39450 2013-066-AL) →Ground track →Star chart	Appears 22h46m29s 4.1mag az: 66.7° ENE h:59.3° Disappears 22h52m35s 9.0mag az:351.5° N horizon	
22h46m50s	Telkom 3 (38744 2012-044-A) →Ground track →Star chart	Appears 22h37m29s 10.6mag az:296.5° WNW horizon Culmination 22h46m50s 4.5mag az:218.2° SW h:54.4° distance: 893.7km height above Earth: 746.2km elevation of Sun: -22° angular velocity: 0.49°/s at Meridian 22h47m44s 4.3mag az:180.0° S h:47.3° (in penumbra) Disappears 22h47m49s 4.3mag az:177.6° S h:46.2° Time uncertainty of about 2 seconds	
22h46m55s	Cosmos 1842 (17911 1987-038-A) →Ground track →Star chart	Appears 22h41m20s 8.7mag az:355.1° N horizon Disappears 22h46m55s 4.3mag az: 48.3° NE h:50.9°	
	Cosmos 1842 (17911 1987-038-A) →Ground track →Star chart	Appears 22h47m01s 9.6mag az:271.8° W horizon Disappears 22h52m35s 9.0mag az:351.5° N horizon	

Évolution quasi horizontale à environ 50°/55° d'élévation dans la même tranche d'azimut 220° à 180°.
Passage au culminant 5° plus bas et 5 à 10 mn plus tôt pour le 31 Aout.

30 aout 2019

	USA 276/NROL-76 (42689 2017-022-A) →Ground track →Star chart	Appears 22h53m14s 10.6mag az:295.5° WNW horizon Disappears 22h57m42s 6.1mag az:337.2° NNW h:37.2°	
22h57m53s	Cartosat 2F (43111 2018-004-A) →Ground track →Star chart	Appears 22h57m53s 3.3mag az: 5.5° N h:63.9° Disappears 23h03m12s 8.2mag az:349.1° N horizon	
22h59m02s	PSLV DEB (41792 2016-059-K) →Ground track →Star chart	Appears 22h58m30s 4.3mag az:147.7° SSE h:69.6° Culmination 22h59m02s 4.3mag az: 75.3° ENE h:83.6° distance: 691.0km height above Earth: 687.5km elevation of Sun: -24° angular velocity: 0.63°/s at Meridian 22h59m41s 4.7mag az: 0.0° N h:65.9° Disappears 23h05m54s 9.4mag az:348.0° NNW horizon	
22h59m58s	Telkom 3 (38744 2012-044-A) →Ground track →Star chart	Appears 22h50m45s 10.4mag az:296.4° WNW horizon Culmination 22h59m58s 4.2mag az:216.4° SW h:58.8° distance: 827.9km height above Earth: 721.3km elevation of Sun: -24° angular velocity: 0.53°/s Disappears 23h00m27s 4.1mag az:189.9° S h:55.8°	
23h03m26s	Resurs P1 (39186 2013-030-A) →Ground track →Star chart	Appears 23h03m26s 4.5mag az: 17.8° NNE h:26.9° Disappears 23h07m21s 7.7mag az:354.4° N horizon	
23h04m32s	GCOM C (43065 2017-082-A) →Ground track →Star chart	Appears 23h04m24s 4.5mag az: 72.0° ENE h:41.4° Culmination 23h04m32s 4.5mag az: 68.0° ENE h:41.4° (in penumbra) distance: 1142.2km height above Earth: 807.3km elevation of Sun: -24° angular velocity: 0.38°/s at Meridian 23h09m17s 7.4mag az: 0.0° N h:10.9° Disappears 23h11m54s 8.6mag az:352.9° N horizon	
23h04m58s	USA 229/NOSS-3 5(B) (37301 2011-014-B) →Ground track →Star chart	Appears 22h55m33s 10.1mag az:316.6° NW horizon Culmination 23h04m58s 5.8mag az:245.6° WSW h:36.9°	