

Norfolk Astronomical Society



<http://norfolkastronomical.org>

October 2010

Monthly Sky Calendar
Prepared Specifically For
The Hampton Roads Area

Norfolk Astronomical Society Astronomical Calendar

September 2010							October 2010							November 2010							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
			1	2	3	4						1	2			1	2	3	4	5	6
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13	
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20	
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27	
26	27	28	29	30			24	25	26	27	28	29	30	28	29	30					
							31														

Calendar

	Start	End	Category	Description
1 Oct 2010	12:00 AM	12:00 AM		LAST QUARTER
	12:36 AM	12:36 AM		I.Ec.R
	4:57 AM	4:57 AM		Moon occults 7.0 mag. star SAO78742(r)
	6:30 AM	6:30 AM		Moon occults 7.3 mag. star SAO78774(r)
	7:00 PM	7:00 PM		NAS Observing
	7:17 PM	7:17 PM		I.Tr.I
	7:34 PM	7:34 PM		I.Sh.I
	9:31 PM	9:31 PM		I.Tr.E
	9:48 PM	9:48 PM		I.Sh.E
2 Oct 2010	4:44 AM	4:44 AM		GRS Transit (CML=157)
3 Oct 2010	12:35 AM	12:35 AM		GRS Transit (CML=157)
	8:26 PM	8:26 PM		GRS Transit (CML=157)
4 Oct 2010	5:01 AM	5:01 AM		Moon occults 3.5 mag. double star ZC1428(d)
	5:54 AM	5:54 AM		Moon occults 3.5 mag. double star ZC1428(R)
	6:22 AM	6:22 AM		GRS Transit (CML=157)
	5:00 PM	5:00 PM		Regulus 4.5N of Moon
5 Oct 2010	2:13 AM	2:13 AM		GRS Transit (CML=157)
	8:23 PM	8:23 PM		III.Oc.D
	10:04 PM	10:04 PM		GRS Transit (CML=157)
6 Oct 2010	12:52 AM	12:52 AM		III.Ec.R
	2:26 AM	2:26 AM		II.Tr.I
	3:11 AM	3:11 AM		II.Sh.I
	5:08 AM	5:08 AM		II.Tr.E
	5:26 AM	5:26 AM		I.Oc.D
	11:00 AM	11:00 AM		Moon at perigee
7 Oct 2010	2:36 AM	2:36 AM		I.Tr.I
	3:00 AM	3:00 AM		I.Sh.I
	3:51 AM	3:51 AM		GRS Transit (CML=157)
	4:49 AM	4:49 AM		I.Tr.E
	5:15 AM	5:15 AM		I.Sh.E
	2:00 PM	2:00 PM		Venus stationary
	3:00 PM	3:00 PM		NEW MOON
	8:45 PM	8:45 PM		II.Oc.D
	11:42 PM	11:42 PM		GRS Transit (CML=157)

Norfolk Astronomical Society Astronomical Calendar

September 2010							October 2010							November 2010								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
			1	2	3	4						1	2				1	2	3	4	5	6
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13		
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20		
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27		
26	27	28	29	30			24	25	26	27	28	29	30	28	29	30						
							31															

Calendar

	Start	End	Category	Description
8 Oct 2010	12:23 AM	12:23 AM		II.Ec.R
	2:31 AM	2:31 AM		I.Ec.R
	7:00 AM	7:00 AM		Spica 2.7N of Moon
	8:00 AM	8:00 AM		Mercury 0.5S of Saturn
	6:45 PM	6:45 PM		Draconid meteor peak (zhr=var)
	7:33 PM	7:33 PM		GRS Transit (CML=157)
	9:02 PM	9:02 PM		I.Tr.I
	10:07 PM	10:07 PM		I.Sh.I
	10:56 PM	10:56 PM		I.Sh.E
	11:16 PM	11:16 PM		I.Tr.E
	11:52 PM	11:52 PM		I.Oc.D
9 Oct 2010	5:29 AM	5:29 AM		GRS Transit (CML=157)
	9:15 AM	9:15 AM		VAAS 2010 in Roanoke
	2:00 PM	2:00 PM		Venus 3.2S of Moon
	7:11 PM	7:11 PM		II.Sh.E
	7:38 PM	7:38 PM		I.Ec.R
	8:59 PM	8:59 PM		I.Ec.R
	9:00 PM	9:00 PM		Mars 3.5N of Moon
10 Oct 2010	1:20 AM	1:20 AM		GRS Transit (CML=157)
	9:12 PM	9:12 PM		GRS Transit (CML=157)
11 Oct 2010	12:00 PM	12:00 PM		Antares 2.3S of Moon
	7:41 PM	7:41 PM		Moon occults 7.6 mag. star SAO184678(d)
12 Oct 2010	2:58 AM	2:58 AM		GRS Transit (CML=157)
	10:50 PM	10:50 PM		GRS Transit (CML=157)
	11:40 PM	11:40 PM		III.Oc.D
13 Oct 2010	4:41 AM	4:41 AM		II.Tr.I
	4:53 AM	4:53 AM		III.Ec.R
	7:00 AM	7:00 AM		Pluto 5.0N of Moon
14 Oct 2010	4:21 AM	4:21 AM		I.Tr.I
	4:36 AM	4:36 AM		GRS Transit (CML=157)
	4:56 AM	4:56 AM		I.Sh.I
	6:00 PM	6:00 PM		FIRST QUARTER
	7:18 PM	7:18 PM		Moon occults 6.7 mag. star ZC2859(d)
	11:02 PM	11:02 PM		II.Oc.D

Norfolk Astronomical Society Astronomical Calendar

September 2010							October 2010							November 2010						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
			1	2	3	4						1	2	7	8	9	10	11	12	13
5	6	7	8	9	10	11	3	4	5	6	7	8	9	14	15	16	17	18	19	20
12	13	14	15	16	17	18	10	11	12	13	14	15	16	21	22	23	24	25	26	27
19	20	21	22	23	24	25	17	18	19	20	21	22	23	28	29	30				
26	27	28	29	30			24	25	26	27	28	29	30							
							31													

Calendar

	Start	End	Category	Description
15 Oct 2010	12:28 AM	12:28 AM		GRS Transit (CML=157)
	1:36 AM	1:36 AM		I.Oc.D
	3:02 AM	3:02 AM		II.Ec.R
	4:26 AM	4:26 AM		I.Ec.R
	6:33 AM	6:33 AM		ISS Passes NW to E (Azm 32.8 Alt 24)
	8:19 PM	8:19 PM		GRS Transit (CML=157)
	10:47 PM	10:47 PM		I.Tr.I
	11:25 PM	11:25 PM		I.Sh.I
16 Oct 2010	1:01 AM	1:01 AM		I.Tr.E
	1:39 AM	1:39 AM		I.Sh.E
	6:15 AM	6:15 AM		GRS Transit (CML=157)
	7:00 AM	7:00 AM		ISS Passes NW to SE (Azm 34.7 Alt 87)
	7:01 PM	7:01 PM		III.Sh.E
	7:04 PM	7:04 PM		II.Sh.I
	8:03 PM	8:03 PM		I.Oc.D
	8:31 PM	8:31 PM		II.Tr.E
	9:47 PM	9:47 PM		II.Sh.E
	10:00 PM	10:00 PM		Mercury superior conjunction
	10:55 PM	10:55 PM		I.Ec.R
17 Oct 2010	2:06 AM	2:06 AM		GRS Transit (CML=157)
	4:00 AM	4:00 AM		Mercury 2.9N of Spica
	5:52 AM	5:52 AM		ISS Passes NW to E (Azm 34.0 Alt 27)
	3:00 PM	3:00 PM		Neptune 4.4S of Moon
	7:28 PM	7:28 PM		I.Tr.E
	8:08 PM	8:08 PM		I.Sh.E
	9:57 PM	9:57 PM		GRS Transit (CML=157)
18 Oct 2010	6:18 AM	6:18 AM		ISS Passes NW to SE (Azm 223.7 Alt 78)
	4:00 PM	4:00 PM		Moon at apogee
	7:00 PM	7:00 PM		NAS meeting at MRO
19 Oct 2010	3:44 AM	3:44 AM		GRS Transit (CML=157)
	5:11 AM	5:11 AM		ISS Passes NW to E (Azm 80.9 Alt 21)
	8:48 PM	8:48 PM		Moon occults 6.3 mag. double star ZC3455(d)
	8:52 PM	8:52 PM		Moon occults 5.0 mag. double star ZC3453(D)
	11:35 PM	11:35 PM		GRS Transit (CML=157)
20 Oct 2010	3:02 AM	3:02 AM		III.Oc.D
	5:37 AM	5:37 AM		ISS Passes NW to SE (Azm 153.1 Alt 34)
	7:00 AM	7:00 AM		Uranus 5.7S of Moon

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September 2010							October 2010							November 2010								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
			1	2	3	4						1	2				1	2	3	4	5	6
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13		
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20		
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27		
26	27	28	29	30			24	25	26	27	28	29	30	28	29	30						
							31															

Calendar

	Start	End	Category	Description
20 Oct 2010	7:27 PM	7:27 PM		GRS Transit (CML=157)
21 Oct 2010	5:00 AM	5:00 AM		Orionid meteor shower (zhr=30)
	5:22 AM	5:22 AM		GRS Transit (CML=157)
22 Oct 2010	1:14 AM	1:14 AM		GRS Transit (CML=157)
	1:21 AM	1:21 AM		II.Oc.D
	3:22 AM	3:22 AM		I.Oc.D
	9:05 PM	9:05 PM		GRS Transit (CML=157)
	10:00 PM	10:00 PM		FULL MOON
23 Oct 2010	12:34 AM	12:34 AM		I.Tr.I
	1:20 AM	1:20 AM		I.Sh.I
	2:47 AM	2:47 AM		I.Tr.E
	3:34 AM	3:34 AM		I.Sh.E
	7:48 PM	7:48 PM		III.Tr.E
	8:05 PM	8:05 PM		III.Sh.I
	8:06 PM	8:06 PM		II.Tr.I
	9:40 PM	9:40 PM		II.Sh.I
	9:48 PM	9:48 PM		I.Oc.D
	10:48 PM	10:48 PM		II.Tr.E
	11:02 PM	11:02 PM		III.Sh.E
24 Oct 2010	12:22 AM	12:22 AM		II.Sh.E
	12:50 AM	12:50 AM		I.Ec.R
	2:52 AM	2:52 AM		GRS Transit (CML=157)
	7:00 PM	7:00 PM		I.Tr.I
	7:49 PM	7:49 PM		I.Sh.I
	9:14 PM	9:14 PM		I.Tr.E
	10:03 PM	10:03 PM		I.Sh.E
	10:43 PM	10:43 PM		GRS Transit (CML=157)
25 Oct 2010	6:59 PM	6:59 PM		II.Ec.R
	7:18 PM	7:18 PM		I.Ec.R
	7:29 PM	7:29 PM		ISS Passes SW to NE (Azim 134.3 Alt 38)
26 Oct 2010	4:30 AM	4:30 AM		GRS Transit (CML=157)
	7:55 PM	7:55 PM		ISS Passes SW to NE (Azim 318.5 Alt 46)
27 Oct 2010	12:21 AM	12:21 AM		GRS Transit (CML=157)
	6:29 AM	6:29 AM		Moon occults 5.4 mag. star 839(R)
	6:47 PM	6:47 PM		ISS Passes SW to NE (Azim 135.4 Alt 45)

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September 2010							October 2010							November 2010								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
			1	2	3	4						1	2				1	2	3	4	5	6
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13		
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20		
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27		
26	27	28	29	30			24	25	26	27	28	29	30	28	29	30						
							31															

Calendar

	Start	End	Category	Description
27 Oct 2010	8:13 PM	8:13 PM		GRS Transit (CML=157)
28 Oct 2010	3:52 AM	3:52 AM		Moon occults 7.0 mag. double star 997(r)
	6:08 AM	6:08 AM		GRS Transit (CML=157)
	7:13 PM	7:13 PM		ISS Passes SW to NE (Azm 322.8 Alt 40)
	10:00 PM	10:00 PM		Venus inferior conjunction
29 Oct 2010	12:53 AM	12:53 AM		Moon occults 5.1 mag. double star ZC1113(R)
	1:15 AM	1:15 AM		Moon occults 5.2 mag. star X54012(R)
	2:00 AM	2:00 AM		GRS Transit (CML=157)
	3:29 AM	3:29 AM		Moon occults 5.9 mag. double star ZC1127(R)
	3:42 AM	3:42 AM		II.Oc.D
	5:00 AM	5:00 AM		Venus greatest elong W(06)
	5:22 AM	5:22 AM		Moon occults 7.1 mag. star ZC1138(r)
	12:00 PM	12:00 PM		ECSP in Coinjock, NC
	9:51 PM	9:51 PM		GRS Transit (CML=157)
30 Oct 2010	2:21 AM	2:21 AM		I.Tr.I
	3:16 AM	3:16 AM		I.Sh.I
	9:00 AM	9:00 AM		LAST QUARTER
	6:30 PM	6:30 PM		ISS Passes SW to NE (Azm 324.0 Alt 35)
	8:20 PM	8:20 PM		III.Tr.I
	10:25 PM	10:25 PM		II.Tr.I
	11:18 PM	11:18 PM		III.Tr.E
	11:35 PM	11:35 PM		I.Oc.D
31 Oct 2010	12:08 AM	12:08 AM		III.Sh.I
	12:16 AM	12:16 AM		II.Sh.I
	1:08 AM	1:08 AM		II.Tr.E
	2:45 AM	2:45 AM		I.Ec.R
	2:53 AM	2:53 AM		Moon grazes 6.4 mag. star ZC1381(Gr)
	2:58 AM	2:58 AM		II.Sh.E
	2:59 AM	2:59 AM		Moon occults 6.4 mag. star ZC1381(r)
	3:04 AM	3:04 AM		III.Sh.E
	3:38 AM	3:38 AM		GRS Transit (CML=157)
	8:48 PM	8:48 PM		I.Tr.I
	11:29 PM	11:29 PM		GRS Transit (CML=157)