

Norfolk Astronomical Society



<http://norfolkastronomical.org>

December 2010

Monthly Sky Calendar
Prepared Specifically For
The Hampton Roads Area

Norfolk Astronomical Society Astronomical Calendar

November 2010							December 2010							January 2011						
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	5	6				1	2	3	4							1
7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8
14	15	16	17	18	19	20	12	13	14	15	16	17	18	9	10	11	12	13	14	15
21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22
28	29	30					26	27	28	29	30	31		23	24	25	26	27	28	29
														30	31					

Calendar

	Start	End	Category	Description
1 Dec 2010	6:00 AM	6:00 AM		Mercury greatest elong E(21)
	6:51 PM	6:51 PM		I.Oc.D
	8:22 PM	8:22 PM		II.Tr.I
	10:23 PM	10:23 PM		I.Ec.R
	10:58 PM	10:58 PM		II.Sh.I
	11:05 PM	11:05 PM		II.Tr.E
	11:44 PM	11:44 PM		III.Oc.D
2 Dec 2010	12:00 AM	12:00 AM		Spica 2.8N of Moon
	3:53 AM	3:53 AM		Moon occults 5.5 mag. double star ZC1944(r)
	5:27 PM	5:27 PM		I.Sh.I
	6:22 PM	6:22 PM		I.Tr.E
	7:40 PM	7:40 PM		I.Sh.E
3 Dec 2010	7:00 PM	7:00 PM		NAS observing
	8:33 PM	8:33 PM		II.Ec.R
4 Dec 2010				
5 Dec 2010	7:00 AM	7:00 AM		Antares 2.5S of Moon
	1:00 PM	1:00 PM		NEW MOON
	7:23 PM	7:23 PM		III.Sh.I
	10:12 PM	10:12 PM		III.Sh.E
6 Dec 2010	5:00 AM	5:00 AM		Uranus stationary
	5:00 PM	5:00 PM		Mars 0.5S of Moon Occn
7 Dec 2010	3:00 AM	3:00 AM		Pluto 4.4N of Moon
	4:00 AM	4:00 AM		Mercury 1.7S of Moon
	5:57 PM	5:57 PM		Moon occults 8.4 mag. star SAO187396(d)
	6:06 PM	6:06 PM		Moon occults 7.8 mag. star SAO187393(d)
	11:34 PM	11:34 PM		I.Tr.I
8 Dec 2010	5:50 PM	5:50 PM		Moon occults 4.9 mag. star ZC2886(D)
	8:45 PM	8:45 PM		I.Oc.D
	10:55 PM	10:55 PM		II.Tr.I
9 Dec 2010	6:03 PM	6:03 PM		I.Tr.I
	7:23 PM	7:23 PM		I.Sh.I
	8:16 PM	8:16 PM		I.Tr.E
	9:36 PM	9:36 PM		I.Sh.E

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November 2010							December 2010							January 2011						
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	5	6	5	6	7	8	9	10	11	2	3	4	5	6	7	8
7	8	9	10	11	12	13	12	13	14	15	16	17	18	9	10	11	12	13	14	15
14	15	16	17	18	19	20	19	20	21	22	23	24	25	16	17	18	19	20	21	22
21	22	23	24	25	26	27	26	27	28	29	30	31	23	24	25	26	27	28	29	
28	29	30											30	31						

Calendar

	Start	End	Category	Description
10 Dec 2010	3:00 AM	3:00 AM		Mercury stationary
	5:41 PM	5:41 PM		II.Oc.D
	6:48 PM	6:48 PM		I.Ec.R
	11:11 PM	11:11 PM		II.Ec.R
11 Dec 2010	7:00 AM	7:00 AM		Neptune 4.7S of Moon
12 Dec 2010	5:32 PM	5:32 PM		II.Sh.E
	5:50 PM	5:50 PM		III.Tr.I
	8:55 PM	8:55 PM		III.Tr.E
	9:57 PM	9:57 PM		Moon occults 6.4 mag. star ZC3371(d)
	11:26 PM	11:26 PM		III.Sh.I
13 Dec 2010	4:00 AM	4:00 AM		Moon at apogee
	10:00 AM	10:00 AM		FIRST QUARTER
	12:00 PM	12:00 PM		Mercury 4.5S of Pluto
	6:30 PM	6:30 PM		NAS Dinner meeting at Applebees
	7:00 PM	7:00 PM		Mercury 1.0N of Mars
	8:00 PM	8:00 PM		Uranus 6.0S of Moon
	14 Dec 2010	12:00 AM	12:00 AM	
6:00 AM	6:00 AM		Geminid meteor shower peak (zhr = 120)	
15 Dec 2010	5:45 PM	5:45 PM		IV.Oc.D
	6:45 PM	6:45 PM		IV.Oc.R
	10:40 PM	10:40 PM		I.Oc.D
16 Dec 2010	7:58 PM	7:58 PM		I.Tr.I
	9:19 PM	9:19 PM		I.Sh.I
	10:12 PM	10:12 PM		I.Tr.E
	11:32 PM	11:32 PM		I.Sh.E
17 Dec 2010	8:19 PM	8:19 PM		II.Oc.D
	8:43 PM	8:43 PM		I.Ec.R
18 Dec 2010	1:45 AM	1:45 AM		Moon occults 5.8 mag. star 435(d)
	6:01 PM	6:01 PM		I.Sh.E
19 Dec 2010	5:29 PM	5:29 PM		II.Sh.I
	5:32 PM	5:32 PM		II.Tr.E
	8:08 PM	8:08 PM		II.Sh.E
	9:00 PM	9:00 PM		Mercury inferior conjunction
	9:53 PM	9:53 PM		III.Tr.I

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November 2010							December 2010							January 2011						
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	5	6	5	6	7	8	9	10	11	2	3	4	5	6	7	8
7	8	9	10	11	12	13	12	13	14	15	16	17	18	9	10	11	12	13	14	15
14	15	16	17	18	19	20	19	20	21	22	23	24	25	16	17	18	19	20	21	22
21	22	23	24	25	26	27	26	27	28	29	30	31	23	24	25	26	27	28	29	
28	29	30											30	31						

Calendar

	Start	End	Category	Description
20 Dec 2010				
21 Dec 2010	2:42 AM	2:42 AM		Moon occults 7.0 mag. double star 887(R)
	3:18 AM	3:18 AM		FULL MOON; total lunar eclipse
	7:00 PM	7:00 PM		Solstice
22 Dec 2010	2:14 AM	2:14 AM		Moon occults 5.3 mag. double star ZC1047(R)
23 Dec 2010	8:06 PM	8:06 PM		III.Ec.R
	9:55 PM	9:55 PM		I.Tr.I
	11:16 PM	11:16 PM		I.Sh.I
24 Dec 2010	7:05 PM	7:05 PM		I.Oc.D
	10:38 PM	10:38 PM		I.Ec.R
	10:59 PM	10:59 PM		II.Oc.D
25 Dec 2010	12:35 AM	12:35 AM		Moon occults 6.8 mag. double star ZC1429(r)
	7:00 AM	7:00 AM		Moon at perigee
	11:00 AM	11:00 AM		Regulus 4.8N of Moon
	5:45 PM	5:45 PM		I.Sh.I
	6:38 PM	6:38 PM		I.Tr.E
	7:57 PM	7:57 PM		I.Sh.E
26 Dec 2010	5:26 PM	5:26 PM		II.Tr.I
	8:00 PM	8:00 PM		Pluto at conjunction
	8:05 PM	8:05 PM		II.Sh.I
	8:10 PM	8:10 PM		II.Tr.E
	10:44 PM	10:44 PM		II.Sh.E
27 Dec 2010	2:38 AM	2:38 AM		Moon occults 4.8 mag. star ZC1670(R)
28 Dec 2010	12:00 AM	12:00 AM		LAST QUARTER
	5:48 PM	5:48 PM		II.Ec.R
29 Dec 2010	5:53 AM	5:53 AM		Moon occults 6.8 mag. star ZC1918(r)
	6:00 AM	6:00 AM		Spica 2.8N of Moon
30 Dec 2010	8:00 AM	8:00 AM		Mercury stationary
	6:57 PM	6:57 PM		III.Oc.R
	9:20 PM	9:20 PM		III.Ec.D
31 Dec 2010	7:07 AM	7:07 AM		Moon occults 5.5 mag. star ZC2183(r)