

# Norfolk Astronomical Society



*<http://norfolkastronomical.org>*

November 2010

Monthly Sky Calendar  
Prepared Specifically For  
The Hampton Roads Area

# Norfolk Astronomical Society Astronomical Calendar

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

## Calendar

	Start	End	Category	Description
<b>1</b> Nov 2010	6:21 PM	6:21 PM		GRS Transit (CML=157)
	8:13 PM	8:13 PM		I.Ec.R
	8:38 PM	8:38 PM		II.Ec.R
	8:45 PM	8:45 PM		I.Sh.I
	10:02 PM	10:02 PM		I.Tr.E
	10:59 PM	10:59 PM		I.Sh.E
<b>2</b> Nov 2010				
<b>3</b> Nov 2010	12:08 AM	12:08 AM		GRS Transit (CML=157)
	1:00 PM	1:00 PM		Moon at perigee
	7:59 PM	7:59 PM		GRS Transit (CML=157)
<b>4</b> Nov 2010	4:00 PM	4:00 PM		Spica 2.7N of Moon
<b>5</b> Nov 2010	4:00 AM	4:00 AM		Venus 0.1N of Moon Occn
	7:00 PM	7:00 PM		NAS Observing
	9:38 PM	9:38 PM		GRS Transit (CML=157)
<b>6</b> Nov 2010	12:00 AM	12:00 AM		NEW MOON
	10:53 PM	10:53 PM		III.Tr.I
	11:00 PM	11:00 PM		Mercury 1.7N of Moon
	11:47 PM	11:47 PM		II.Tr.I
<b>7</b> Nov 2010	2:00 AM	2:00 AM		Fall Back to EST
	3:00 AM	3:00 AM		Neptune stationary
	5:00 PM	5:00 PM		Mars 1.7N of Moon
	9:00 PM	9:00 PM		Antares 2.4S of Moon
	9:37 PM	9:37 PM		I.Tr.I
	10:41 PM	10:41 PM		I.Sh.I
	11:16 PM	11:16 PM		GRS Transit (CML=157)
<b>8</b> Nov 2010	5:48 PM	5:48 PM		Moon occults 3.3 mag. double star ZC2500(D)
	6:18 PM	6:18 PM		II.Oc.D
	6:50 PM	6:50 PM		I.Oc.D
	7:07 PM	7:07 PM		GRS Transit (CML=157)
	10:09 PM	10:09 PM		I.Ec.R
	11:17 PM	11:17 PM		II.Ec.R
<b>9</b> Nov 2010	4:00 PM	4:00 PM		Pluto 4.7N of Moon
	6:18 PM	6:18 PM		I.Tr.E
	7:23 PM	7:23 PM		I.Sh.E

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October 2010							November 2010							December 2010						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				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	31	
24	25	26	27	28	29	30														
31																				

## Calendar

	Start	End	Category	Description	
<b>10</b> Nov 2010	5:51 PM	5:51 PM		II.Sh.E	
	7:00 PM	7:00 PM		Mars 3.9N of Antares	
	7:57 PM	7:57 PM		III.Ec.R	
	8:46 PM	8:46 PM		GRS Transit (CML=157)	
<b>11</b> Nov 2010					
	10:24 PM	10:24 PM		GRS Transit (CML=157)	
	<b>13</b> Nov 2010	12:00 PM	12:00 PM		FIRST QUARTER
		6:16 PM	6:16 PM		GRS Transit (CML=157)
	10:00 PM	10:00 PM		Neptune 4.6S of Moon	
	10:06 PM	10:06 PM		Moon occults 6.0 mag. star ZC3187(d)	
<b>14</b> Nov 2010	11:27 PM	11:27 PM		I.Tr.I	
	<b>15</b> Nov 2010	12:03 AM	12:03 AM		GRS Transit (CML=157)
7:00 AM		7:00 AM		Moon at apogee	
1:00 PM		1:00 PM		Mercury 2.5N of Antares	
7:54 PM		7:54 PM		GRS Transit (CML=157)	
8:40 PM		8:40 PM		I.Oc.D	
8:45 PM		8:45 PM		II.Oc.D	
<b>16</b> Nov 2010	11:00 AM	11:00 AM		Venus stationary	
	12:00 PM	12:00 PM		Uranus 5.9S of Moon	
	7:06 PM	7:06 PM		I.Sh.I	
	8:09 PM	8:09 PM		I.Tr.E	
	8:37 PM	8:37 PM		Moon occults 6.9 mag. double star ZC3524(d)	
	9:19 PM	9:19 PM		I.Sh.E	
<b>17</b> Nov 2010	6:33 PM	6:33 PM		I.Ec.R	
	7:12 PM	7:12 PM		III.Oc.R	
	7:57 PM	7:57 PM		Moon occults 6.5 mag. double star 89(d)	
	8:27 PM	8:27 PM		II.Sh.E	
	9:04 PM	9:04 PM		III.Ec.D	
	9:33 PM	9:33 PM		GRS Transit (CML=157)	
<b>18</b> Nov 2010					
	<b>19</b> Nov 2010	1:00 AM	1:00 AM		Jupiter stationary
1:39 AM		1:39 AM		Moon occults 6.2 mag. double star 233(d)	
11:12 PM		11:12 PM		GRS Transit (CML=157)	

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

## Calendar

	Start	End	Category	Description
<b>20</b> Nov 2010	3:00 PM	3:00 PM		Mercury 1.7S of Mars
	7:03 PM	7:03 PM		GRS Transit (CML=157)
<b>21</b> Nov 2010	1:00 PM	1:00 PM		FULL MOON
<b>22</b> Nov 2010	7:00 PM	7:00 PM		NAS meeting at MRO
	8:42 PM	8:42 PM		GRS Transit (CML=157)
	10:31 PM	10:31 PM		I.Oc.D
	11:15 PM	11:15 PM		II.Oc.D
<b>23</b> Nov 2010	7:47 PM	7:47 PM		I.Tr.I
	9:02 PM	9:02 PM		I.Sh.I
	9:22 PM	9:22 PM		Moon occults 4.3 mag. double star 916(R)
	10:01 PM	10:01 PM		I.Tr.E
	11:15 PM	11:15 PM		I.Sh.E
<b>24</b> Nov 2010	12:18 AM	12:18 AM		Moon occults 5.8 mag. double star 929(R)
	6:45 AM	6:45 AM		Moon occults 2.9 mag. double star 976(d)
	8:22 PM	8:22 PM		II.Sh.I
	10:20 PM	10:20 PM		GRS Transit (CML=157)
	11:02 PM	11:02 PM		II.Sh.E
<b>25</b> Nov 2010	12:46 AM	12:46 AM		Moon occults 6.4 mag. star ZC1086(r)
	5:44 PM	5:44 PM		I.Sh.E
	6:12 PM	6:12 PM		GRS Transit (CML=157)
<b>26</b> Nov 2010	5:54 PM	5:54 PM		II.Ec.R
	11:59 PM	11:59 PM		GRS Transit (CML=157)
<b>27</b> Nov 2010	7:51 PM	7:51 PM		GRS Transit (CML=157)
<b>28</b> Nov 2010	1:07 AM	1:07 AM		Moon occults 6.8 mag. star ZC1457(r)
	5:00 AM	5:00 AM		Regulus 4.8N of Moon
	4:00 PM	4:00 PM		LAST QUARTER
	6:10 PM	6:10 PM		III.Sh.E
<b>29</b> Nov 2010	12:19 AM	12:19 AM		IV.Oc.D
	12:42 AM	12:42 AM		IV.Oc.R
	5:50 AM	5:50 AM		Moon occults 5.9 mag. double star ZC1587(R)
	9:29 PM	9:29 PM		GRS Transit (CML=157)
<b>30</b> Nov 2010	12:23 AM	12:23 AM		I.Oc.D
	5:00 PM	5:00 PM		Moon at perigee

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

## Calendar

	Start	End	Category	Description
<b>30</b>	9:40 PM	9:40 PM		I.Tr.I
<small>Nov 2010</small>	10:58 PM	10:58 PM		I.Sh.I
	11:54 PM	11:54 PM		I.Tr.E