Problem 1:

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| Search Period Start: | 20:17, Tuesday, 07 September, 2010 |
| Search Period End: | 21:17, Thursday, 14 September, 2010 |
| Observer's Location: | Home ( 30.3689°N, 97.8025°W) |
| Local Time: | Central Daylight Time (GMT - 5:00) |

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| **Date** | **Local Time** | **Intensity (** [**Mag**](http://www.heavens-above.com/glossary.aspx?lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST&term=magnitude)**)** | [**Alt.**](http://www.heavens-above.com/glossary.aspx?lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST&term=altitude) | [**Azimuth**](http://www.heavens-above.com/glossary.aspx?lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST&term=azimuth) | **Distance to flare centre** | **Intensity at flare centre (Mag.)** | **Satellite** |
| 08 Sep | [06:22:54](http://www.heavens-above.com/flaredetails.asp?SatID=27372&lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST&Date=40429.4742392591&Mirror=1) | -1 | 55° | 190° (S ) | 29.7 km (E) | -8 | [Iridium 90](http://www.heavens-above.com/satinfo.aspx?SatID=27372&lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST) |
| 08 Sep | [20:41:37](http://www.heavens-above.com/flaredetails.asp?SatID=24795&lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST&Date=40430.0705638877&Mirror=1) | -1 | 37° | 359° (N ) | 24.5 km (W) | -8 | [Iridium 5](http://www.heavens-above.com/satinfo.aspx?SatID=24795&lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST) |
| 10 Sep | [20:29:11](http://www.heavens-above.com/flaredetails.asp?SatID=25263&lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST&Date=40432.0619344111&Mirror=1) | -3 | 40° | 359° (N ) | 14.0 km (W) | -8 | [Iridium 61](http://www.heavens-above.com/satinfo.aspx?SatID=25263&lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST) |
| 11 Sep | [06:07:57](http://www.heavens-above.com/flaredetails.asp?SatID=27374&lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST&Date=40432.4638492294&Mirror=1) | -7 | 52° | 202° (SSW) | 4.5 km (W) | -9 | [Iridium 94](http://www.heavens-above.com/satinfo.aspx?SatID=27374&lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST) |
| 11 Sep | [20:22:59](http://www.heavens-above.com/flaredetails.asp?SatID=24966&lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST&Date=40433.0576313969&Mirror=1) | -5 | 42° | 359° (N ) | 7.7 km (W) | -8 | [Iridium 35](http://www.heavens-above.com/satinfo.aspx?SatID=24966&lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST) |
| 12 Sep | [20:16:51](http://www.heavens-above.com/flaredetails.asp?SatID=24794&lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST&Date=40434.0533628926&Mirror=1) | -2 | 44° | 1° (N ) | 17.7 km (E) | -8 | [Iridium 6](http://www.heavens-above.com/satinfo.aspx?SatID=24794&lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST) |
| 13 Sep | [20:10:40](http://www.heavens-above.com/flaredetails.asp?SatID=24796&lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST&Date=40435.0490741846&Mirror=1) | -4 | 46° | 360° (N ) | 10.2 km (E) | -8 | [Iridium 4](http://www.heavens-above.com/satinfo.aspx?SatID=24796&lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST) |
| 14 Sep | [05:55:52](http://www.heavens-above.com/flaredetails.asp?SatID=24950&lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST&Date=40435.4554585612&Mirror=1) | -7 | 48° | 206° (SSW) | 5.0 km (W) | -8 | [Iridium 31](http://www.heavens-above.com/satinfo.aspx?SatID=24950&lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST) |
| 14 Sep | [20:04:31](http://www.heavens-above.com/flaredetails.asp?SatID=24965&lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST&Date=40436.0448051415&Mirror=1) | -0 | 47° | 1° (N ) | 32.8 km (E) | -8 | [Iridium 19](http://www.heavens-above.com/satinfo.aspx?SatID=24965&lat=30.368854&lng=-97.802458&alt=0&loc=Home&TZ=CST) |