



ANNULAR ECLIPSE IN "SUDAN" FRIDAY, JANUARY 15, 2010

| POSITION | MAXIMUM ECLIPSE | | | OBSCURATION IN % | FIRST CONTACT AT SUNRISE | | | LAST CONTACT | | | |
|--------------------|-----------------|-----------|-----------|------------------|--------------------------|-----------|-----------|--------------|----------|-----------|-----------|
| | H | MN | S | | H | MN | S | OBS.% | H | MN | S |
| 1 Ad Damazin | 6 | 34 | 11 | 56,1 | 5 | 15 | 11 | | 8 | 13 | 26 |
| 2 Ad Damir | 6 | 39 | 40 | 41,1 | 5 | 24 | 23 | | 8 | 12 | 42 |
| 3 Al Fāshir | 6 | 26 | 11 | 59,3 | 5 | 45 | 49 | 26,8 | 7 | 53 | 55 |
| 4 Al Junaynah | 6 | 25 | 18 | 60,7 | 5 | 49 | 46 | 32,5 | 8 | 52 | 04 |
| 5 Al Qadārif | 6 | 37 | 54 | 49,1 | 5 | 19 | 12 | | 8 | 16 | 31 |
| 6 Al Ubayyid | 6 | 30 | 17 | 55,8 | 5 | 25 | 31 | 5,3 | 8 | 03 | 26 |
| 7 An Nuhud | 6 | 28 | 01 | 58,9 | 5 | 31 | 57 | 12,1 | 7 | 59 | 30 |
| 8 Atbara | 6 | 39 | 50 | 40,8 | 5 | 24 | 37 | | 8 | 12 | 45 |
| 9 Bentiu | 6 | 26 | 41 | 67,6 | 5 | 20 | 56 | 5,7 | 8 | 01 | 30 |
| 10 Bor | 6 | 26 | 37 | 74,7 | 5 | 09 | 06 | 0,1 | 8 | 04 | 39 |
| 11 Dunqulah | 6 | 36 | 49 | 39,9 | 5 | 34 | 31 | 4,0 | 8 | 04 | 32 |
| 12 Ḥalā'ib | 6 | 50 | 13 | 28,8 | 5 | 37 | 11 | | 8 | 19 | 07 |
| 13 Juba | 6 | 25 | 52 | 78,7 | 5 | 07 | 26 | | 8 | 04 | 06 |
| 14 Kaduqli | 6 | 27 | 56 | 62,4 | 5 | 24 | 02 | 6,6 | 8 | 01 | 51 |
| 15 Kapoeta | 6 | 28 | 07 | 77,1 | 5 | 07 | 54 | | 8 | 09 | 16 |
| 16 Kassala | 6 | 41 | 03 | 44,8 | 5 | 22 | 20 | | 8 | 19 | 31 |
| 17 KHARTOUM | 6 | 35 | 23 | 47,4 | 5 | 20 | 06 | 0,1 | 8 | 09 | 07 |
| 18 Kūsti | 6 | 33 | 12 | 53,7 | 5 | 16 | 11 | | 8 | 09 | 13 |
| 19 Malakāl | 6 | 28 | 55 | 64,9 | 5 | 13 | 57 | 0,7 | 8 | 05 | 59 |
| 20 Nimule | 6 | 25 | 45 | 81,6 | 5 | 06 | 51 | | 8 | 04 | 40 |

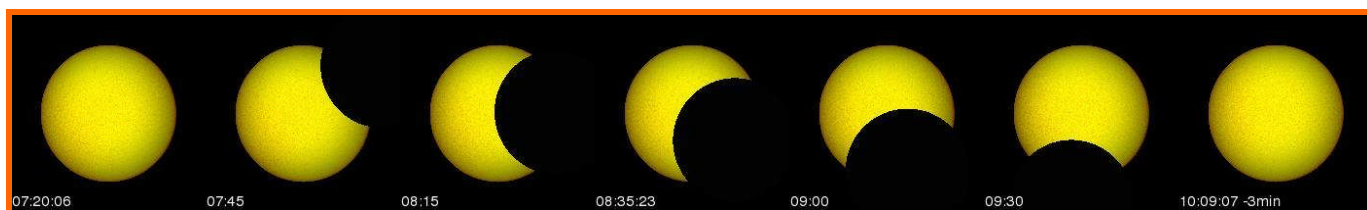
> Times are shown in LOCAL TIME.

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| POSITION | MAXIMUM ECLIPSE H MN S | OBSCURATION IN % | FIRST CONTACT AT SUNRISE | | LAST CONTACT H MN S |
|----------------|------------------------------|---------------------|-----------------------------|-------|---------------------------|
| | | | H MNS | OBS.% | |
| 21 Nyala | 08 24 31 | 64,4 | 07 45 14 | 29,7 | 9 52 34 |
| 22 Omdurman | 08 35 23 | 47,2 | 07 20 31 | 0,1 | 10 09 00 |
| 23 Port Sudan | 08 47 30 | 34,2 | 07 31 33 | | 10 21 06 |
| 24 Rabak | 08 33 16 | 53,7 | 07 16 12 | | 10 09 23 |
| 25 Rumbek | 08 25 01 | 74,8 | 07 17 31 | 4,8 | 10 00 25 |
| 26 Sannar | 08 34 51 | 51,8 | 07 17 18 | | 10 11 45 |
| 27 Sawakin | 08 47 12 | 35,2 | 07 30 36 | | 10 21 49 |
| 28 Sinjah | 08 34 53 | 52,7 | 07 16 53 | | 10 12 29 |
| 29 Uwayl | 08 24 12 | 71,3 | 07 29 39 | 15,2 | 9 56 16 |
| 30 Wad Madani | 08 35 33 | 49,6 | 07 18 32 | | 10 11 33 |
| 31 Wādi Ḥalfā' | 08 41 16 | 33,1 | 07 35 57 | 1,2 | 10 06 22 |
| 32 Warab | 08 24 51 | 71,9 | 07 23 58 | 9,6 | 9 58 34 |
| 33 Wāw | 08 24 02 | 73,8 | 07 25 36 | 11,9 | 9 57 06 |
| 34 Yambio | 08 22 42 | 81,9 | 07 19 08 | 17,7 | 9 56 37 |

> Times are shown in LOCAL TIME.

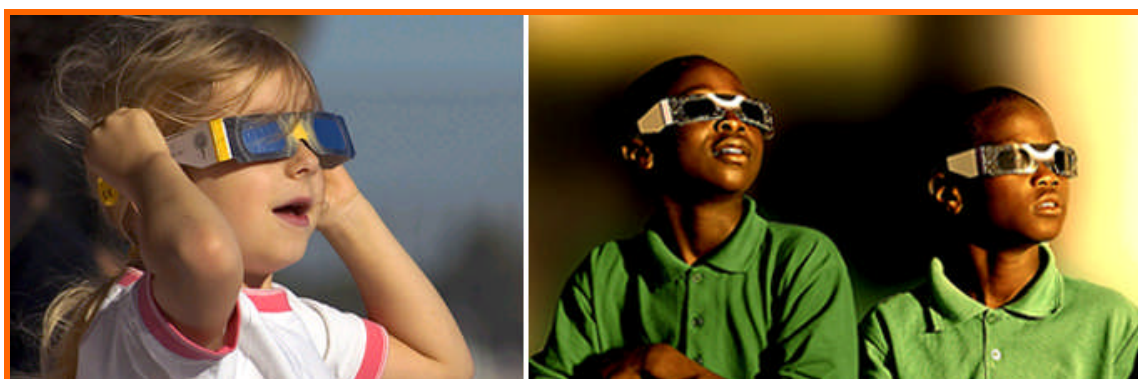
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WHAT YOU WILL SEE OF THE ECLIPSE IN KHARTOUM – 47.4%



WHAT YOU WILL SEE OF THE ECLIPSE IN JUBA – 78.7%



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