

SOLE

Rocchi Gianni

Il Sole è l'oggetto dalla luminosità apparente più intensa di tutto il cielo, quindi deve essere osservato con l'uso di filtri ad alta densità per l'eccessivo segnale incidente sul sensore CCD. Le osservazioni in luce integrale più interessanti sono il monitoraggio delle macchie solari che sorgono e si estinguono in continuazione e in tempi relativamente brevi.

PREMESSA

I dati che si trovano nel sito o nell'hard disk possono essere tranquillamente consultati e scaricati, qualora se ne faccia uso sarebbe cosa gradita dichiarare la fonte dell'autore.

La maggior parte dei dati sono frutto delle mie osservazioni al telescopio di casa, al telescopio personale di Porziano e al telescopio sociale di Porziano.

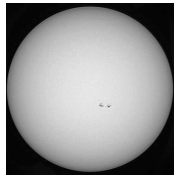
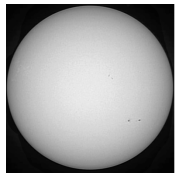
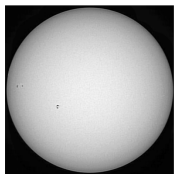
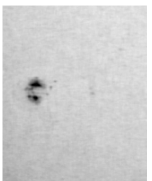
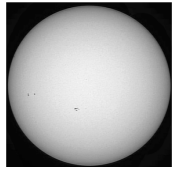
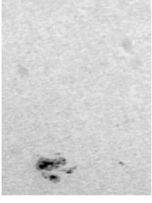

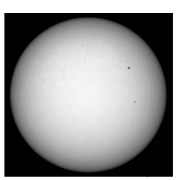
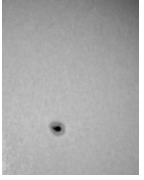
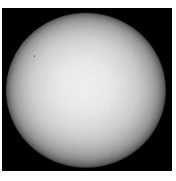
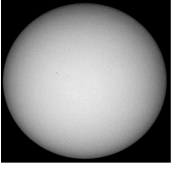
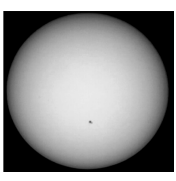
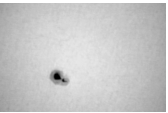
Le attrezzature sono puramente amatoriali, come pure il suo operatore, ma fatta eccezione per la fonte di qualche raro dato, le attività di osservazioni e misurazioni riportati sul sito o nell'hard disk sono puramente amatoriali e vanno prese per quanto tali.

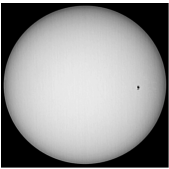
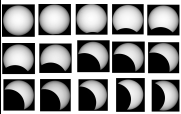
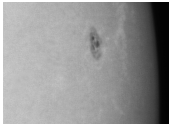
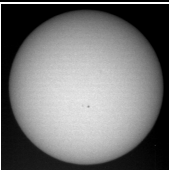


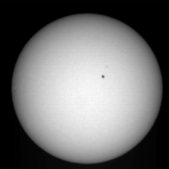
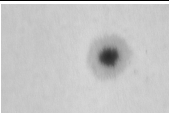
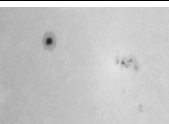
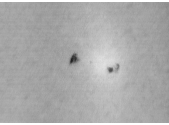
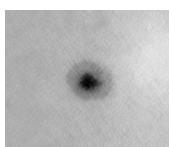
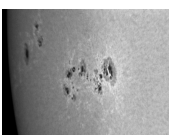
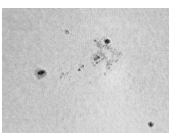
Comunque la mancanza di pratiche accademiche non vuol dire per forza che i lavori siano scarsi di contenuti e spesso inesatti, l'autore applica il suo massimo impegno e rigore scientifico per riportare i dati con la migliore precisione e serietà

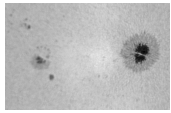

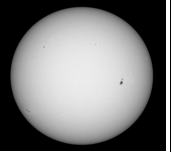

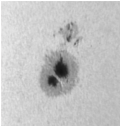



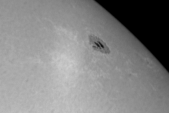
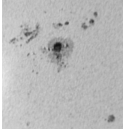
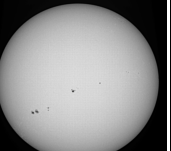
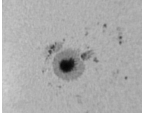
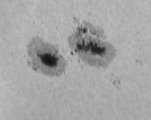

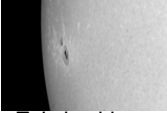
possibile, usufruendo inoltre di letture professionali, di libri, di internet e di collaborazioni con astronomi professionisti.

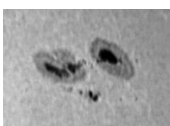
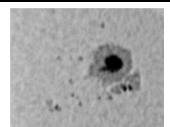
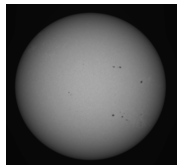
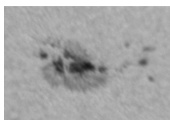
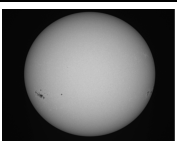

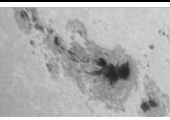
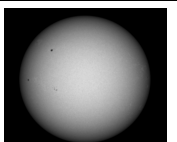
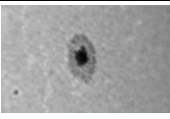
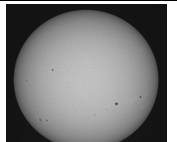
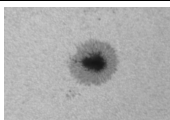


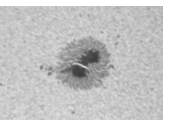

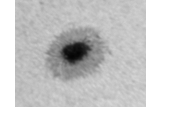
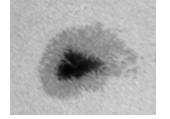
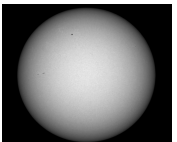

Tabella monitoraggio Sole

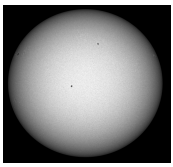

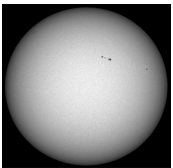

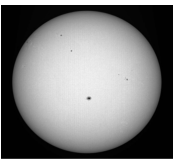

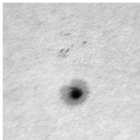
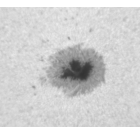
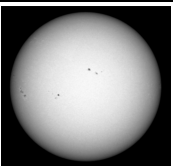

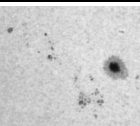
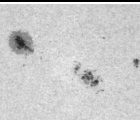
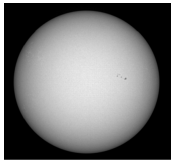
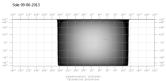
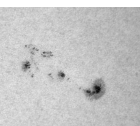
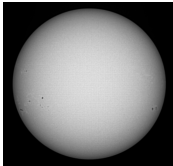
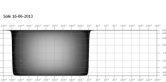
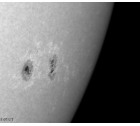
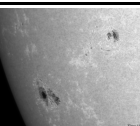
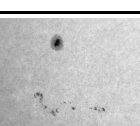
Nella tabulazione delle immagini le proporzioni fra le varie osservazioni non vengono rispettate, e neanche le intrinseche proporzioni delle singole foto.

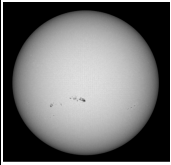
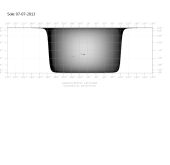
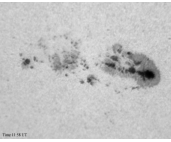
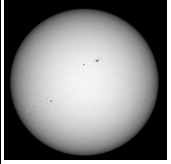
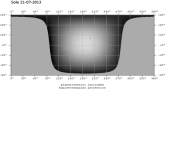
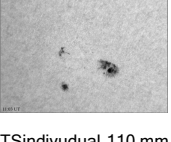
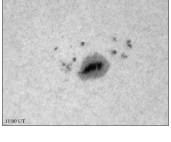
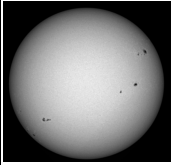
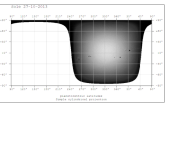
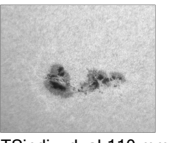
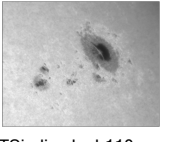
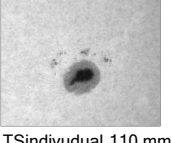
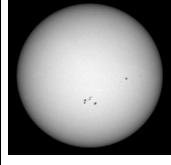
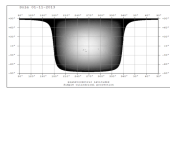
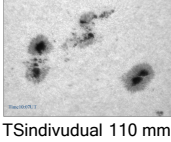

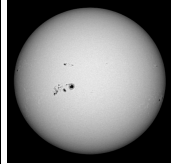
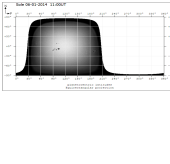
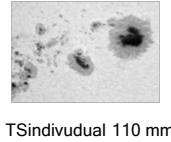
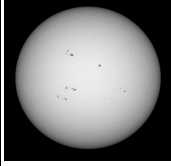
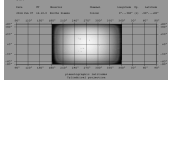
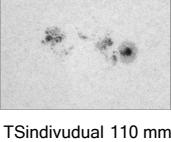
| Epoch UT | Instrumental data | Globe Image | map | sunspots image | Waldmerier classification (source UAI) | Spectral graphic | Data comment |
|----------------------|---|---|-----|---|--|------------------|---|
| 28-05-2005 T15:30 | ETX 70, webcam Creative live, Astrosolar, Spello. |  | | | | | <small>© 2005 Creative Commons Attribution-NonCommercial-ShareAlike license. All rights reserved. This work is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike license. For more information, see http://creativecommons.org/licenses/by-nc-sa/2.0/.</small> |
| 30-05-2005 T15:30 | ETX 70, webcam Creative live, Astrosolar, Spello. |  | | | | | |
| 03-06-2005 T9:30 | ETX 70, webcam Creative live, Astrosolar, Spello. |  | |  | | | |
| 04-06-2005 T06:30 | ETX 70, webcam Creative live, Astrosolar, Spello. |  | |  | | | |
| 01-10-2005 T07:30 | ETX 70, webcam Creative live, Astrosolar, Spello. |  | | | | | |
| 18-12-2005 T9:30 | ETX 70, webcam Creative live, Astrosolar, Spello. |  | |  | | | |
| 29-03-2006 T08:30 | ETX 70, webcam Creative live, Astrosolar, Spello. |  | | | | | |
| 29-07-2006 T07:30 | ETX 70, webcam Creative live, Astrosolar, Spello. |  | | | | | |
| 10-09-2006 T15:00 | ETX 70, webcam Creative live, Astrosolar, Spello. |  | |  | | | |

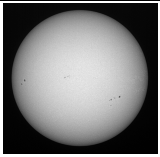
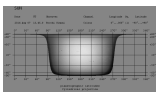
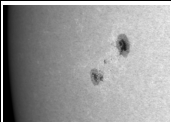
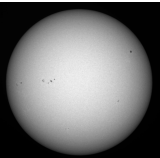
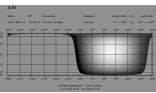
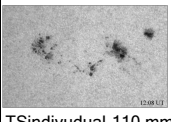
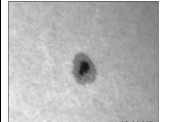
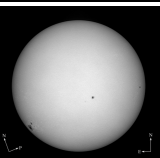
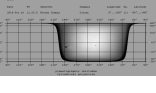
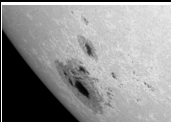
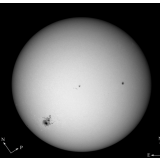
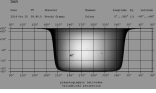
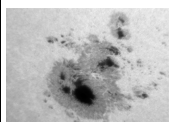
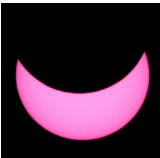

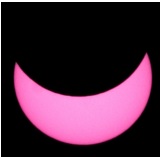

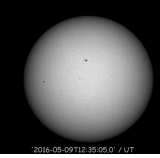
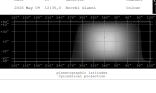
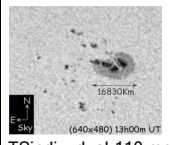
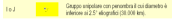
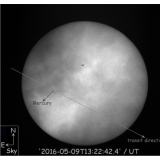
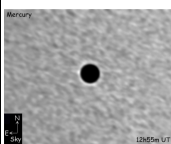
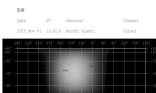
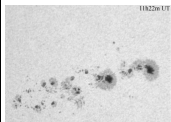

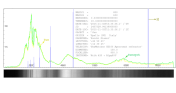

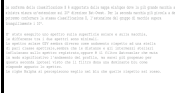
| | | | | | | | |
|----------------------|--|--|---|--|--|--|--|
| 08-12-2006 T10:00 | ETX 70, webcam Creative live, Astrosolar, Spello. |  | | | | | |
| 29-03-2006 | Takahashi fs60, Webcam Creative live, Astrosolar, Spello. |  | | | | | |
| 03-04-2010 T10:37 | Philips toucam pro2, Celestron C5, Astrosolar, Spello. | | |  | | | |
| 23-05-2010 | Takahashi fs60, S.X. MX5-C, glass solar filter, Spello. |  T13:35 |  |  T14:04, W.n25, Celestron C5, P.toucam pro2. | | | |
| 04-08-2010 | Takahashi fs60, S.X. MX5-C, glass solar filter, Spello. |  T12:52 | |  T13:02, W.n25 Celestron C5, P.toucam pro2. | | | |
| 08-05-2011 T11:39 | Philips toucam pro2, glass solar filter+IR Shott, Celestron C5, Spello. | | |  | | | |
| 14-05-2011 T11:31 | Philips toucam pro2, glass solar filter+W.n25+ neodymium, Celestron C5, Spello. | | |  | | | |
| 21-05-2011 T11:36 | Philips toucam pro2, glass solar filter+W.n25+ neodymium, Celestron C5, Spello. | | |  | | | |
| 29-05-2011 T14:39 | Philips toucam pro2, glass solar filter+W.n25+ neodymium, Celestron C5, Spello. | | |  | | | |
| 29-05-2011 T11:45 | Philips toucam pro2, glass solar filter+W.n25+ neodymium, Celestron C5 , Spello. | | |  | | | |

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| 19-06-2011 T15:46 | Philips toucam pro2, glass solar filter+W.n25+ neodymium, Celestron C5 , Spello. | | |  | | |
| 06-08-2011 T12:08 | Atik Titan, Takahashi fs60,astrosolar + ir cut, Spello. |  | | | | |
| 10-09-2011 | Atik Titan, Takahashi fs 60,astrosolar + ir cut, Spello. |  T12:32 | |  Takahashi fs78, P.toucam2, T12:40 | | |
| | | | |  Takahashi fs 78, P.toucam 2, T12:37 | | |
| 17-08-2011 | Atik Titan, Takahashi fs 60,Astrosolar+ ir cut,Spello. |  T13:27 | |  Takahashi fs 78, P.toucam 2, T13:32. | | |
| 18-09-2011 | Atik Titan, Takahashi fs 60,Astrosolar + ir cut,Spello |  T11:13 | |  Takahashi fs 78, P.toucam 2, T11:22. | | |
| | | | |  Takahashi fs 78, P.toucam 2, T11:18. | | |
| 01-10-2011 | Atik Titan, Takahashi fs 60, Astrosolar + ir cut,Spello |  T12:04 | |  Takahashi fs 78, P.toucam 2, TT 12:10. | | |
| | | | |  Takahashi fs 78, P.toucam 2, TT 12:12. | | |
| 02-10-2011 | Atik Titan, Takahashi fs 60, Astrosolar + ir cut,Spello |  T11:09 | |  Takahashi fs 78, P. toucam 2, TT 11:23. | | |

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| 03-06-2012 | Atik Titan, Takahashi fs 60, Astrosolar + ir cut,Spello |  T14:16 | |  | | | |
| 08-07-2012 | Atik Titan, Takahashi fs 60, Astrosolar + ir cut,Spello |  T15:48 |  |  | | | |
| 09-06-2012 | Atik Titan, Takahashi fs 60, Astrosolar + ir cut,Spello |  T12:58 | |  | | | |
| 02-08-2012 | Atik Titan, Takahashi fs 60, Astrosolar + ir cut,Spello |  T14:02 | |  | | | |
| 14-08-2012 | Atik Titan, Takahashi fs 60, Astrosolar + ir cut,Spello |  T15:34 |  |  | | | |
| 17-06-2012 | Atik Titan, Takahashi fs 60, Astrosolar + ir cut,Spello |  T15:12 | |  | | | |
| | | | |  | | | |
| 27-01-2013 | Chameleon color, Takahashi fs 60, Astrosolar, Spello |  T10:24 |  | | | | |

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|------------|---|---|---|---|--|--|--|
| 29-01-2013 | Chameleon color, Takahashi fs 60, Astrosolar, Spello |  T10:35 |  | | | | |
| 10-02-2013 | Chameleon color, Takahashi fs 60, Astrosolar, Spello |  T10:37 |  | | | | |
| 06-04-2013 | Atik Titan, Takahashi fs 60, Astrosolar, Spello |  T09:35 |  |  TSindividual 110 mm ED, Chameleon c, T 09:48 | | | |
| | | | |  TSindividual 110 mm ED, Chameleon c, T 09:43 | | | |
| 13-04-2013 | Atik Titan, Takahashi fs 60, Astrosolar, Spello |  T11:12 |  |  TSindividual 110 mm ED, Chameleon c, T 11:25 | | | |
| | | | |  TSindividual 110 mm ED, Chameleon c, T 11:30 | | | |
| 09-06-2013 | Atik Titan, Takahashi fs 60, Astrosolar, Spello |  T08:50 |  |  TSindividual 110 mm ED, Chameleon c, T 09:00 | | | |
| 16-06-2013 | Atik Titan, Takahashi fs 60, Astrosolar, Spello |  T11:00 |  |  TSindividual 110 mm ED, Chameleon color. | | | |
| | | | |  TSindividual 110 mm ED, Chameleon color. | | | |
| | | | |  TSindividual 110 mm ED, Chameleon color. | | | |

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| 07-07-2013 | Atik Titan, Takahashi fs 60, Astrosolar, Spello |  T11:51 |  |  TSindividual 110 mm ED, Chameleon color. | | | |
| 21-07-2013 | Atik Titan, Takahashi fs 60, Astrosolar, Spello |  T10:41 |  |  TSindividual 110 mm ED, Chameleon color. | | | |
| | | | |  TSindividual 110 mm ED, Chameleon color. | | | |
| 27-10-2013 | Atik Titan, Takahashi fs 60, Astrosolar, Spello |  T10:18 |  |  TSindividual 110 mm ED, Chameleon color. | | | |
| | | | |  TSindividual 110 mm ED, Chameleon color. | | | |
| | | | |  TSindividual 110 mm ED, Chameleon color. | | | |
| 01-11-2013 | Atik Titan, Takahashi fs 60, Astrosolar, Spello |  T10:45 |  |  TSindividual 110 mm ED, I-Nova pla-m. | | | |
| | | | |  TSindividual 110 mm ED, I-Nova pla-m. | | | |
| 06-01-2014 | Atik Titan, Takahashi fs 60, Astrosolar, Spello |  T11:00 |  |  TSindividual 110 mm ED, Chameleon c,T11:41. | | | |
| 07-06-2014 | Atik 420, Sharp Guide 50, Astrosolar, Spello. |  T12:10 |  |  TSindividual 110 mm ED, Chameleon color. | | | |

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| 07-08-2014 | Atik 420, Sharp Guide 50, Astrosolar, Spello. |  T13:45 |  |  TSindividual 110 mm ED, Chameleon color. | | | |
| 15-08-2014 | Atik 420, Sharp Guide 50, Astrosolar, Spello. |  T12:00 |  |  TSindividual 110 mm ED, Chameleon color. | | | |
| | | | |  TSindividual 110 mm ED, Chameleon color. | | | |
| 18-10-2014 | Orion ShortTube 80, Atik16ic-s, Astrosolar, Spello. |  T11:25 |  |  TSindividual 110 mm ED, Chameleon c,T11:40 | | | |
| 20-10-2014 | Orion ShortTube 80, Atik16ic-s, Astrosolar, Spello. |  T09:49 |  |  TSindividual 110 mm ED, Chameleon c,T09:59 | | | |
| 20-03-2015 | Pentacon Telephoto 135mm, Canon 350D, Astrosolar+ continuum, Assisi. |  T09:34 |  Sky | | | | |
| | |  T09:35 |  Sky | | | | |
| 09-05-2016 | TS ED503, Atik16ic-s, Astrosolar, Spello. |  2016-05-09T13:39:05.0 / UT |  |  16830Km (640x480) 13h00m UT TSindividual 110 mm ED, Chameleon color. | 16.2  | | Molto suggestivo il transito del pianeta mercurio, purtroppo un pò disturbato da un cattivo seeing e da una scarsa trasparenza del cielo. Con l'occasione mi sono dedicato anche alla ripresa della macchia presente al momento del transito, misurandone l'estensione in Km e classificandola secondo la scala di Waldmeier presa da Fonte UAI. |
| | TS ED503, Atik16ic-s, Astrosolar, Spello |  2016-05-09T13:22:42.4 / UT | |  Mercury 12h05m UT TSindividual 110 mm ED, Chameleon color. | | | |
| 02-11-2015 | tvcc 60mm, Imaging Source dmk 21au618.as, Spello. | |  |  TSindividual 110 mm ED, Chameleon color. | 6  |   |  |

