

| Day          | Sun   | Sun   | Sun   | Sun   | Star Name           | 1h before |     |     | Time of          |            |           | 1h after  |     |     | Helio<br>Corr |
|--------------|-------|-------|-------|-------|---------------------|-----------|-----|-----|------------------|------------|-----------|-----------|-----|-----|---------------|
|              | -12°  | -18°  | -18°  | -12°  |                     | Min.      | Azi | Alt | minimum          | Azi        | Alt       | Min.      | Azi | Alt |               |
| gio 26-07-12 | 19.39 | 20.25 | 01.52 | 02.37 | V691 Her - I        | gio 18.58 | 359 | 65  | <b>gio 19.58</b> | <b>31</b>  | <b>63</b> | gio 20.58 | 55  | 55  | 168           |
|              |       |       |       |       | V1106 Her - I       | gio 19.05 | 297 | 62  | <b>gio 20.05</b> | <b>325</b> | <b>71</b> | gio 21.05 | 10  | 74  | 288           |
|              |       |       |       |       | G1518.0913 Her - I  | gio 20.17 | 42  | 65  | <b>gio 21.17</b> | <b>64</b>  | <b>56</b> | gio 22.17 | 79  | 45  | 158           |
|              |       |       |       |       | V473 And - I        | gio 20.39 | 234 | 24  | <b>gio 21.39</b> | <b>241</b> | <b>33</b> | gio 22.39 | 247 | 43  | 81            |
|              |       |       |       |       | BW Peg - II         | gio 21.25 | 286 | 49  | <b>gio 22.25</b> | <b>302</b> | <b>59</b> | gio 23.25 | 328 | 67  | 363           |
|              |       |       |       |       | G3881.0579 Dra - II | gio 21.40 | 135 | 62  | <b>gio 22.40</b> | <b>132</b> | <b>54</b> | gio 23.40 | 134 | 45  | -7            |
|              |       |       |       |       | V1106 Her - II      | gio 22.08 | 50  | 68  | <b>gio 23.08</b> | <b>71</b>  | <b>58</b> | ven 00.08 | 84  | 47  | 287           |
|              |       |       |       |       | QQ Lyr - II         | gio 22.46 | 45  | 76  | <b>gio 23.46</b> | <b>73</b>  | <b>67</b> | ven 00.46 | 86  | 56  | 303           |
|              |       |       |       |       | V1072 Her - I       | ven 00.30 | 121 | 50  | <b>ven 01.30</b> | <b>125</b> | <b>41</b> | ven 02.30 | 130 | 32  | 121           |
|              |       |       |       |       | V1106 Her - I       | ven 01.12 | 95  | 35  | <b>ven 02.12</b> | <b>104</b> | <b>24</b> | ven 03.12 | 113 | 14  | 287           |
|              |       |       |       |       | V473 And - II       | ven 01.28 | 263 | 74  | <b>ven 02.28</b> | <b>269</b> | <b>85</b> | ven 03.28 | 91  | 84  | 82            |
|              |       |       |       |       | G3881.0579 Dra - I  | ven 01.37 | 141 | 30  | <b>ven 02.37</b> | <b>146</b> | <b>24</b> | ven 03.37 | 153 | 18  | -7            |
| ven 27-07-12 | 19.38 | 20.23 | 01.54 | 02.39 | G1518.0913 Her - I  | ven 19.25 | 16  | 69  | <b>ven 20.25</b> | <b>48</b>  | <b>63</b> | ven 21.25 | 67  | 54  | 153           |
|              |       |       |       |       | V1106 Her - I       | ven 19.31 | 309 | 67  | <b>ven 20.31</b> | <b>346</b> | <b>73</b> | ven 21.31 | 32  | 72  | 285           |
|              |       |       |       |       | QQ Lyr - I          | ven 19.44 | 280 | 62  | <b>ven 20.44</b> | <b>299</b> | <b>72</b> | ven 21.44 | 345 | 79  | 303           |
|              |       |       |       |       | V473 And - II       | ven 20.44 | 235 | 25  | <b>ven 21.44</b> | <b>242</b> | <b>35</b> | ven 22.44 | 248 | 45  | 88            |
|              |       |       |       |       | G3881.0579 Dra - II | ven 21.22 | 136 | 63  | <b>ven 22.22</b> | <b>133</b> | <b>55</b> | ven 23.22 | 133 | 47  | -9            |
|              |       |       |       |       | V1072 Her - II      | ven 21.41 | 129 | 76  | <b>ven 22.41</b> | <b>120</b> | <b>67</b> | ven 23.41 | 120 | 57  | 120           |
|              |       |       |       |       | V1106 Her - II      | ven 22.35 | 62  | 63  | <b>ven 23.35</b> | <b>78</b>  | <b>52</b> | sab 00.35 | 89  | 41  | 285           |
|              |       |       |       |       | V691 Her - I        | ven 23.09 | 86  | 31  | <b>sab 00.09</b> | <b>96</b>  | <b>20</b> | sab 01.09 | 105 | 9   | 161           |
|              |       |       |       |       | G1518.0913 Her - II | ven 23.16 | 90  | 33  | <b>sab 00.16</b> | <b>100</b> | <b>22</b> | sab 01.16 | 109 | 11  | 152           |
|              |       |       |       |       | V423 Tau - II       | ven 23.39 | 237 | 55  | <b>sab 00.39</b> | <b>237</b> | <b>64</b> | sab 01.39 | 230 | 74  | 30            |
|              |       |       |       |       | V556 Lyr - I        | sab 00.58 | 95  | 55  | <b>sab 01.58</b> | <b>103</b> | <b>44</b> | sab 02.58 | 111 | 34  | 275           |
|              |       |       |       |       | G3881.0579 Dra - I  | sab 01.19 | 140 | 32  | <b>sab 02.19</b> | <b>145</b> | <b>25</b> | sab 03.19 | 151 | 19  | -9            |
|              |       |       |       |       | V473 And - I        | sab 01.33 | 264 | 75  | <b>sab 02.33</b> | <b>271</b> | <b>87</b> | sab 03.33 | 92  | 82  | 89            |
| sab 28-07-12 | 19.37 | 20.22 | 01.55 | 02.40 | V1072 Her - I       | sab 18.51 | 238 | 71  | <b>sab 19.51</b> | <b>219</b> | <b>80</b> | sab 20.51 | 157 | 82  | 119           |
|              |       |       |       |       | V556 Lyr - II       | sab 18.51 | 264 | 54  | <b>sab 19.51</b> | <b>273</b> | <b>65</b> | sab 20.51 | 290 | 76  | 275           |
|              |       |       |       |       | V1106 Her - I       | sab 19.58 | 325 | 71  | <b>sab 20.58</b> | <b>10</b>  | <b>74</b> | sab 21.58 | 49  | 68  | 282           |
|              |       |       |       |       | V691 Her - II       | sab 20.17 | 43  | 59  | <b>sab 21.17</b> | <b>63</b>  | <b>51</b> | sab 22.17 | 77  | 40  | 156           |
|              |       |       |       |       | V473 And - I        | sab 20.49 | 236 | 27  | <b>sab 21.49</b> | <b>243</b> | <b>36</b> | sab 22.49 | 249 | 47  | 94            |
|              |       |       |       |       | G3881.0579 Dra - II | sab 21.05 | 137 | 65  | <b>sab 22.05</b> | <b>133</b> | <b>57</b> | sab 23.05 | 133 | 49  | -11           |
|              |       |       |       |       | G1518.0913 Her - II | sab 22.24 | 81  | 42  | <b>sab 23.24</b> | <b>92</b>  | <b>31</b> | dom 00.24 | 101 | 20  | 146           |
|              |       |       |       |       | V1106 Her - II      | sab 23.01 | 71  | 58  | <b>dom 00.01</b> | <b>84</b>  | <b>47</b> | dom 01.01 | 94  | 36  | 282           |
|              |       |       |       |       | V1187 Cyg - II      | dom 00.53 | 100 | 67  | <b>dom 01.53</b> | <b>106</b> | <b>56</b> | dom 02.53 | 112 | 45  | 247           |
|              |       |       |       |       | G3881.0579 Dra - I  | dom 01.02 | 139 | 34  | <b>dom 02.02</b> | <b>144</b> | <b>27</b> | dom 03.02 | 150 | 21  | -12           |
|              |       |       |       |       | V473 And - II       | dom 01.38 | 265 | 77  | <b>dom 02.38</b> | <b>274</b> | <b>88</b> | dom 03.38 | 93  | 81  | 96            |
| dom 29-07-12 | 19.35 | 20.20 | 01.57 | 02.41 | V1187 Cyg - I       | dom 18.58 | 250 | 49  | <b>dom 19.58</b> | <b>256</b> | <b>59</b> | dom 20.58 | 261 | 70  | 248           |
|              |       |       |       |       | V1106 Her - I       | dom 20.24 | 346 | 73  | <b>dom 21.24</b> | <b>32</b>  | <b>72</b> | dom 22.24 | 61  | 63  | 279           |
|              |       |       |       |       | G3881.0579 Dra - II | dom 20.48 | 139 | 67  | <b>dom 21.48</b> | <b>133</b> | <b>59</b> | dom 22.48 | 133 | 51  | -13           |
|              |       |       |       |       | V473 And - II       | dom 20.54 | 237 | 28  | <b>dom 21.54</b> | <b>244</b> | <b>38</b> | dom 22.54 | 250 | 48  | 101           |
|              |       |       |       |       | G1518.0913 Her - II | dom 21.31 | 71  | 51  | <b>dom 22.31</b> | <b>84</b>  | <b>40</b> | dom 23.31 | 94  | 29  | 141           |
|              |       |       |       |       | V1072 Her - I       | dom 23.04 | 119 | 62  | <b>dom 00.04</b> | <b>121</b> | <b>52</b> | dom 01.04 | 124 | 43  | 117           |
|              |       |       |       |       | V1106 Her - II      | dom 23.28 | 78  | 52  | <b>dom 00.28</b> | <b>90</b>  | <b>41</b> | dom 01.28 | 99  | 30  | 279           |
|              |       |       |       |       | V423 Tau - II       | dom 00.45 | 236 | 67  | <b>dom 01.45</b> | <b>226</b> | <b>75</b> | dom 02.45 | 187 | 81  | 43            |
|              |       |       |       |       | G3881.0579 Dra - I  | dom 00.45 | 138 | 35  | <b>dom 01.45</b> | <b>143</b> | <b>28</b> | dom 02.45 | 148 | 22  | -14           |
|              |       |       |       |       | BW Peg - II         | dom 01.27 | 46  | 63  | <b>dom 02.27</b> | <b>66</b>  | <b>54</b> | dom 03.27 | 80  | 43  | 374           |
| lun 30-07-12 | 19.34 | 20.18 | 01.58 | 02.42 | V1072 Her - II      | lun 20.14 | 191 | 82  | <b>lun 21.14</b> | <b>135</b> | <b>78</b> | lun 22.14 | 121 | 69  | 116           |
|              |       |       |       |       | BW Peg - I          | lun 20.27 | 277 | 41  | <b>lun 21.27</b> | <b>290</b> | <b>52</b> | lun 22.27 | 309 | 61  | 376           |
|              |       |       |       |       | G3881.0579 Dra - II | lun 20.30 | 142 | 68  | <b>lun 21.30</b> | <b>134</b> | <b>61</b> | lun 22.30 | 132 | 53  | -15           |
|              |       |       |       |       | G1518.0913 Her - II | lun 20.39 | 57  | 59  | <b>lun 21.39</b> | <b>74</b>  | <b>49</b> | lun 22.39 | 86  | 38  | 135           |
|              |       |       |       |       | V1106 Her - I       | lun 20.51 | 11  | 74  | <b>lun 21.51</b> | <b>49</b>  | <b>68</b> | lun 22.51 | 70  | 58  | 276           |
|              |       |       |       |       | V473 And - I        | lun 20.58 | 238 | 29  | <b>lun 21.58</b> | <b>245</b> | <b>39</b> | lun 22.58 | 251 | 50  | 107           |
|              |       |       |       |       | V691 Her - I        | lun 21.37 | 70  | 46  | <b>lun 22.37</b> | <b>82</b>  | <b>35</b> | lun 23.37 | 92  | 24  | 143           |
|              |       |       |       |       | EZ Lac - II         | lun 22.47 | 237 | 65  | <b>lun 23.47</b> | <b>230</b> | <b>74</b> | mar 00.47 | 199 | 80  | 139           |
|              |       |       |       |       | V1106 Her - II      | lun 23.54 | 84  | 47  | <b>mar 00.54</b> | <b>94</b>  | <b>36</b> | mar 01.54 | 104 | 24  | 276           |
|              |       |       |       |       | G3881.0579 Dra - I  | mar 00.28 | 137 | 37  | <b>mar 01.28</b> | <b>141</b> | <b>30</b> | mar 02.28 | 147 | 23  | -16           |
|              |       |       |       |       | V556 Lyr - I        | mar 00.30 | 93  | 58  | <b>mar 01.30</b> | <b>101</b> | <b>47</b> | mar 02.30 | 109 | 37  | 274           |
| mar 31-07-12 | 19.33 | 20.16 | 02.00 | 02.44 | V691 Her - II       | mar 18.45 | 2   | 65  | <b>mar 19.45</b> | <b>34</b>  | <b>62</b> | mar 20.45 | 57  | 54  | 137           |
|              |       |       |       |       | G1518.0913 Her - II | mar 19.47 | 37  | 66  | <b>mar 20.47</b> | <b>61</b>  | <b>57</b> | mar 21.47 | 76  | 47  | 130           |
|              |       |       |       |       | G3881.0579 Dra - II | mar 20.13 | 145 | 70  | <b>mar 21.13</b> | <b>135</b> | <b>63</b> | mar 22.13 | 133 | 54  | -17           |
|              |       |       |       |       | V473 And - II       | mar 21.03 | 239 | 31  | <b>mar 22.03</b> | <b>246</b> | <b>41</b> | mar 23.03 | 252 | 51  | 114           |
|              |       |       |       |       | V1106 Her - I       | mar 21.17 | 33  | 71  | <b>mar 22.17</b> | <b>61</b>  | <b>63</b> | mar 23.17 | 78  | 53  | 273           |
|              |       |       |       |       | AK Ser - II         | mar 21.37 | 28  | 30  | <b>mar 22.37</b> | <b>42</b>  | <b>23</b> | mar 23.37 | 55  | 15  | 358           |
|              |       |       |       |       | G3881.0579 Dra - I  | mer 00.10 | 136 | 39  | <b>mer 01.10</b> | <b>140</b> | <b>31</b> | mer 02.10 | 146 | 25  | -18           |
|              |       |       |       |       | V1106 Her - II      | mer 00.21 | 90  | 41  | <b>mer 01.21</b> | <b>99</b>  | <b>30</b> | mer 02.21 | 108 | 19  | 272           |
|              |       |       |       |       | V1072 Her - II      | mer 00.28 | 122 | 47  | <b>mer 01.28</b> | <b>127</b> | <b>38</b> | mer 02.28 | 132 | 29  | 114           |
|              |       |       |       |       | V1187 Cyg - II      | mer 01.13 | 103 | 61  | <b>mer 02.13</b> | <b>109</b> | <b>50</b> | mer 03.13 | 115 | 40  | 251           |

| Day          | Sun   | Sun   | Sun   | Sun   | Star Name           | 1h before |     |     | Time of          |            |           | 1h after  |     |     | Helio<br>Corr |
|--------------|-------|-------|-------|-------|---------------------|-----------|-----|-----|------------------|------------|-----------|-----------|-----|-----|---------------|
|              | -12°  | -18°  | -18°  | -12°  |                     | Min.      | Azi | Alt | minimum          | Azi        | Alt       | Min.      | Azi | Alt |               |
| mer 01-08-12 | 19.31 | 20.15 | 02.02 | 02.45 | V1106 Her - II      | mer 18.41 | 297 | 62  | <b>mer 19.41</b> | <b>324</b> | <b>71</b> | mer 20.41 | 9   | 74  | 270           |
|              |       |       |       |       | G1518.0913 Her - II | mer 18.54 | 9   | 69  | <b>mer 19.54</b> | <b>43</b>  | <b>65</b> | mer 20.54 | 64  | 55  | 124           |
|              |       |       |       |       | FU Lac - I          | mer 18.58 | 239 | 34  | <b>mer 19.58</b> | <b>245</b> | <b>44</b> | mer 20.58 | 250 | 54  | 224           |
|              |       |       |       |       | V1187 Cyg - I       | mer 19.18 | 253 | 54  | <b>mer 20.18</b> | <b>259</b> | <b>65</b> | mer 21.18 | 264 | 76  | 252           |
|              |       |       |       |       | G3881.0579 Dra - II | mer 19.56 | 148 | 71  | <b>mer 20.56</b> | <b>136</b> | <b>64</b> | mer 21.56 | 133 | 56  | -19           |
|              |       |       |       |       | AK Ser - I          | mer 20.41 | 13  | 33  | <b>mer 21.41</b> | <b>30</b>  | <b>29</b> | mer 22.41 | 44  | 22  | 352           |
|              |       |       |       |       | V473 And - I        | mer 21.08 | 240 | 32  | <b>mer 22.08</b> | <b>247</b> | <b>42</b> | mer 23.08 | 253 | 53  | 121           |
|              |       |       |       |       | V1072 Her - I       | mer 21.38 | 125 | 74  | <b>mer 22.38</b> | <b>119</b> | <b>64</b> | mer 23.38 | 120 | 54  | 112           |
|              |       |       |       |       | V1106 Her - I       | mer 21.44 | 49  | 68  | <b>mer 22.44</b> | <b>70</b>  | <b>58</b> | mer 23.44 | 84  | 47  | 269           |
|              |       |       |       |       | G1518.0913 Her - I  | mer 22.46 | 88  | 35  | <b>mer 23.46</b> | <b>98</b>  | <b>24</b> | gio 00.46 | 107 | 13  | 123           |
|              |       |       |       |       | G3881.0579 Dra - I  | mer 23.53 | 135 | 40  | <b>gio 00.53</b> | <b>139</b> | <b>33</b> | gio 01.53 | 144 | 26  | -20           |
|              |       |       |       |       | VV Eri - II         | gio 00.42 | 273 | 19  | <b>gio 01.42</b> | <b>284</b> | <b>30</b> | gio 02.42 | 297 | 40  | -91           |
|              |       |       |       |       | V1106 Her - II      | gio 00.47 | 95  | 35  | <b>gio 01.47</b> | <b>104</b> | <b>24</b> | gio 02.47 | 113 | 14  | 269           |
|              |       |       |       |       | QQ Lyr - I          | gio 01.30 | 97  | 43  | <b>gio 02.30</b> | <b>106</b> | <b>32</b> | gio 03.30 | 114 | 22  | 299           |
| gio 02-08-12 | 19.30 | 20.13 | 02.03 | 02.46 | V1072 Her - II      | gio 18.48 | 235 | 74  | <b>gio 19.48</b> | <b>206</b> | <b>81</b> | gio 20.48 | 143 | 80  | 111           |
|              |       |       |       |       | V1106 Her - II      | gio 19.07 | 309 | 67  | <b>gio 20.07</b> | <b>345</b> | <b>73</b> | gio 21.07 | 31  | 72  | 267           |
|              |       |       |       |       | G3881.0579 Dra - II | gio 19.39 | 153 | 73  | <b>gio 20.39</b> | <b>138</b> | <b>66</b> | gio 21.39 | 133 | 58  | -22           |
|              |       |       |       |       | AK Ser - II         | gio 19.46 | 358 | 34  | <b>gio 20.46</b> | <b>16</b>  | <b>33</b> | gio 21.46 | 32  | 28  | 347           |
|              |       |       |       |       | V691 Her - I        | gio 20.04 | 45  | 59  | <b>gio 21.04</b> | <b>64</b>  | <b>49</b> | gio 22.04 | 78  | 39  | 124           |
|              |       |       |       |       | V473 And - II       | gio 21.13 | 241 | 34  | <b>gio 22.13</b> | <b>248</b> | <b>44</b> | gio 23.13 | 253 | 54  | 127           |
|              |       |       |       |       | G1518.0913 Her - I  | gio 21.53 | 79  | 44  | <b>gio 22.53</b> | <b>90</b>  | <b>33</b> | gio 23.53 | 100 | 22  | 117           |
|              |       |       |       |       | V1106 Her - I       | gio 22.10 | 61  | 63  | <b>gio 23.10</b> | <b>78</b>  | <b>53</b> | ven 00.10 | 89  | 41  | 266           |
|              |       |       |       |       | FU Lac - II         | gio 22.26 | 256 | 71  | <b>gio 23.26</b> | <b>254</b> | <b>81</b> | ven 00.26 | 127 | 87  | 229           |
|              |       |       |       |       | QQ Lyr - II         | gio 22.27 | 51  | 75  | <b>gio 23.27</b> | <b>75</b>  | <b>65</b> | ven 00.27 | 88  | 54  | 298           |
|              |       |       |       |       | G3881.0579 Dra - I  | gio 23.36 | 135 | 42  | <b>ven 00.36</b> | <b>138</b> | <b>34</b> | ven 01.36 | 143 | 27  | -22           |
|              |       |       |       |       | V556 Lyr - I        | ven 00.01 | 90  | 62  | <b>ven 01.01</b> | <b>99</b>  | <b>50</b> | ven 02.01 | 106 | 39  | 272           |
|              |       |       |       |       | BW Peg - I          | ven 00.29 | 25  | 68  | <b>ven 01.29</b> | <b>53</b>  | <b>61</b> | ven 02.29 | 71  | 51  | 386           |
| ven 03-08-12 | 19.28 | 20.11 | 02.05 | 02.48 | AK Ser - I          | ven 18.50 | 343 | 33  | <b>ven 19.50</b> | <b>1</b>   | <b>34</b> | ven 20.50 | 18  | 32  | 341           |
|              |       |       |       |       | V423 Tau - II       | ven 19.18 | 220 | 22  | <b>ven 20.18</b> | <b>226</b> | <b>29</b> | ven 21.18 | 231 | 38  | 72            |
|              |       |       |       |       | G3881.0579 Dra - II | ven 19.21 | 158 | 74  | <b>ven 20.21</b> | <b>140</b> | <b>68</b> | ven 21.21 | 134 | 60  | -24           |
|              |       |       |       |       | QQ Lyr - I          | ven 19.25 | 282 | 63  | <b>ven 20.25</b> | <b>303</b> | <b>74</b> | ven 21.25 | 355 | 80  | 297           |
|              |       |       |       |       | BW Peg - II         | ven 19.30 | 270 | 33  | <b>ven 20.30</b> | <b>281</b> | <b>44</b> | ven 21.30 | 295 | 55  | 388           |
|              |       |       |       |       | V1106 Her - II      | ven 19.34 | 325 | 71  | <b>ven 20.34</b> | <b>10</b>  | <b>74</b> | ven 21.34 | 48  | 68  | 263           |
|              |       |       |       |       | G1518.0913 Her - I  | ven 21.01 | 68  | 53  | <b>ven 22.01</b> | <b>82</b>  | <b>42</b> | ven 23.01 | 92  | 31  | 112           |
|              |       |       |       |       | V473 And - I        | ven 21.18 | 242 | 35  | <b>ven 22.18</b> | <b>248</b> | <b>45</b> | ven 23.18 | 254 | 56  | 134           |
|              |       |       |       |       | V1106 Her - I       | ven 22.37 | 71  | 58  | <b>ven 23.37</b> | <b>84</b>  | <b>47</b> | sab 00.37 | 94  | 36  | 263           |
|              |       |       |       |       | V1072 Her - II      | ven 23.02 | 119 | 59  | <b>sab 00.02</b> | <b>122</b> | <b>49</b> | sab 01.02 | 126 | 40  | 109           |
|              |       |       |       |       | G3881.0579 Dra - I  | ven 23.18 | 134 | 44  | <b>sab 00.18</b> | <b>137</b> | <b>36</b> | sab 01.18 | 142 | 29  | -24           |
|              |       |       |       |       | V1187 Cyg - II      | sab 01.33 | 106 | 55  | <b>sab 02.33</b> | <b>112</b> | <b>45</b> | sab 03.33 | 118 | 35  | 254           |
| sab 04-08-12 | 19.27 | 20.09 | 02.06 | 02.49 | G3881.0579 Dra - II | sab 19.04 | 164 | 74  | <b>sab 20.04</b> | <b>143</b> | <b>69</b> | sab 21.04 | 135 | 62  | -26           |
|              |       |       |       |       | V1187 Cyg - I       | sab 19.38 | 256 | 60  | <b>sab 20.38</b> | <b>261</b> | <b>71</b> | sab 21.38 | 267 | 82  | 255           |
|              |       |       |       |       | V1106 Her - II      | sab 20.00 | 346 | 73  | <b>sab 21.00</b> | <b>32</b>  | <b>72</b> | sab 22.00 | 61  | 63  | 260           |
|              |       |       |       |       | G1518.0913 Her - I  | sab 20.08 | 53  | 61  | <b>sab 21.08</b> | <b>71</b>  | <b>51</b> | sab 22.08 | 84  | 40  | 106           |
|              |       |       |       |       | V1072 Her - I       | sab 20.12 | 170 | 82  | <b>sab 21.12</b> | <b>128</b> | <b>76</b> | sab 22.12 | 120 | 67  | 107           |
|              |       |       |       |       | V473 And - II       | sab 21.23 | 243 | 37  | <b>sab 22.23</b> | <b>249</b> | <b>47</b> | sab 23.23 | 255 | 57  | 140           |
|              |       |       |       |       | V691 Her - II       | sab 21.23 | 71  | 45  | <b>sab 22.23</b> | <b>83</b>  | <b>34</b> | sab 23.23 | 93  | 23  | 111           |
|              |       |       |       |       | G3881.0579 Dra - I  | sab 23.01 | 134 | 46  | <b>dom 00.01</b> | <b>137</b> | <b>38</b> | dom 01.01 | 141 | 30  | -26           |
|              |       |       |       |       | V1106 Her - I       | sab 23.03 | 78  | 52  | <b>dom 00.03</b> | <b>89</b>  | <b>41</b> | dom 01.03 | 99  | 30  | 259           |
| dom 05-08-12 | 19.25 | 20.08 | 02.08 | 02.50 | V691 Her - I        | dom 18.32 | 6   | 65  | <b>dom 19.32</b> | <b>37</b>  | <b>61</b> | dom 20.32 | 59  | 53  | 106           |
|              |       |       |       |       | G3881.0579 Dra - II | dom 18.47 | 170 | 75  | <b>dom 19.47</b> | <b>146</b> | <b>71</b> | dom 20.47 | 136 | 63  | -28           |
|              |       |       |       |       | G1518.0913 Her - I  | dom 19.16 | 31  | 67  | <b>dom 20.16</b> | <b>57</b>  | <b>59</b> | dom 21.16 | 74  | 49  | 100           |
|              |       |       |       |       | V423 Tau - II       | dom 20.24 | 227 | 31  | <b>dom 21.24</b> | <b>232</b> | <b>40</b> | dom 22.24 | 236 | 49  | 84            |
|              |       |       |       |       | V1106 Her - II      | dom 20.26 | 10  | 74  | <b>dom 21.26</b> | <b>49</b>  | <b>68</b> | dom 22.26 | 70  | 58  | 256           |
|              |       |       |       |       | V473 And - I        | dom 21.28 | 244 | 38  | <b>dom 22.28</b> | <b>250</b> | <b>48</b> | dom 23.28 | 256 | 59  | 146           |
|              |       |       |       |       | G3881.0579 Dra - I  | dom 22.44 | 133 | 48  | <b>dom 23.44</b> | <b>136</b> | <b>40</b> | lun 00.44 | 140 | 32  | -28           |
|              |       |       |       |       | V1106 Her - I       | dom 23.30 | 84  | 47  | <b>lun 00.30</b> | <b>94</b>  | <b>36</b> | lun 01.30 | 103 | 25  | 256           |
|              |       |       |       |       | V556 Lyr - I        | dom 23.33 | 87  | 65  | <b>lun 00.33</b> | <b>96</b>  | <b>53</b> | lun 01.33 | 104 | 42  | 270           |
|              |       |       |       |       | V1072 Her - I       | lun 00.25 | 123 | 45  | <b>lun 01.25</b> | <b>128</b> | <b>35</b> | lun 02.25 | 134 | 27  | 105           |
| lun 06-08-12 | 19.24 | 20.06 | 02.10 | 02.52 | G3881.0579 Dra - II | lun 18.29 | 177 | 75  | <b>lun 19.29</b> | <b>150</b> | <b>72</b> | lun 20.29 | 137 | 65  | -30           |
|              |       |       |       |       | V1106 Her - II      | lun 20.53 | 32  | 72  | <b>lun 21.53</b> | <b>61</b>  | <b>63</b> | lun 22.53 | 77  | 53  | 252           |
|              |       |       |       |       | V473 And - II       | lun 21.33 | 245 | 40  | <b>lun 22.33</b> | <b>251</b> | <b>50</b> | lun 23.33 | 257 | 61  | 153           |
|              |       |       |       |       | V1072 Her - II      | lun 21.35 | 122 | 71  | <b>lun 22.35</b> | <b>119</b> | <b>61</b> | lun 23.35 | 121 | 52  | 104           |
|              |       |       |       |       | EZ Lac - I          | lun 22.14 | 237 | 64  | <b>lun 23.14</b> | <b>231</b> | <b>73</b> | mar 00.14 | 203 | 80  | 170           |
|              |       |       |       |       | G1518.0913 Her - II | lun 22.15 | 86  | 37  | <b>lun 23.15</b> | <b>96</b>  | <b>26</b> | mar 00.15 | 106 | 15  | 93            |
|              |       |       |       |       | G3881.0579 Dra - I  | lun 22.27 | 133 | 49  | <b>lun 23.27</b> | <b>135</b> | <b>41</b> | mar 00.27 | 139 | 34  | -30           |
|              |       |       |       |       | BW Peg - II         | lun 23.31 | 358 | 69  | <b>mar 00.31</b> | <b>35</b>  | <b>66</b> | mar 01.31 | 59  | 58  | 396           |
|              |       |       |       |       | V1106 Her - I       | lun 23.56 | 90  | 41  | <b>mar 00.56</b> | <b>99</b>  | <b>30</b> | mar 01.56 | 108 | 19  | 252           |

| Day          | Sun   | Sun   | Sun   | Sun   | Star Name           | 1h before |     |     | Time of   |     |     | 1h after  |     |     | Helio<br>Corr |
|--------------|-------|-------|-------|-------|---------------------|-----------|-----|-----|-----------|-----|-----|-----------|-----|-----|---------------|
|              | -12°  | -18°  | -18°  | -12°  |                     | Min.      | Azi | Alt | minimum   | Azi | Alt | Min.      | Azi | Alt |               |
| mar 07-08-12 | 19.22 | 20.04 | 02.11 | 02.53 | BW Peg - I          | mar 18.32 | 263 | 25  | mar 19.32 | 273 | 36  | mar 20.32 | 285 | 47  | 398           |
|              |       |       |       |       | V1072 Her - I       | mar 18.45 | 231 | 76  | mar 19.45 | 188 | 82  | mar 20.45 | 134 | 78  | 102           |
|              |       |       |       |       | V691 Her - II       | mar 19.51 | 48  | 58  | mar 20.51 | 66  | 48  | mar 21.51 | 79  | 38  | 92            |
|              |       |       |       |       | V1187 Cyg - I       | mar 19.58 | 259 | 66  | mar 20.58 | 264 | 77  | mar 21.58 | 270 | 88  | 257           |
|              |       |       |       |       | V1106 Her - II      | mar 21.19 | 49  | 68  | mar 22.19 | 70  | 58  | mar 23.19 | 84  | 47  | 249           |
|              |       |       |       |       | G1518.0913 Her - II | mar 21.22 | 77  | 46  | mar 22.22 | 88  | 35  | mar 23.22 | 98  | 24  | 87            |
|              |       |       |       |       | V423 Tau - II       | mar 21.29 | 233 | 42  | mar 22.29 | 237 | 51  | mar 23.29 | 238 | 60  | 96            |
|              |       |       |       |       | V473 And - I        | mar 21.38 | 246 | 41  | mar 22.38 | 252 | 51  | mar 23.38 | 257 | 62  | 159           |
|              |       |       |       |       | G3881.0579 Dra - I  | mar 22.09 | 133 | 51  | mar 23.09 | 134 | 43  | mer 00.09 | 138 | 35  | -32           |
|              |       |       |       |       | V1106 Her - I       | mer 00.23 | 94  | 36  | mer 01.23 | 104 | 24  | mer 02.23 | 112 | 14  | 248           |
|              |       |       |       |       | V1072 Her - II      | mer 01.49 | 131 | 31  | mer 02.49 | 137 | 23  | mer 03.49 | 144 | 16  | 102           |
| mer 08-08-12 | 19.21 | 20.02 | 02.13 | 02.54 | V1106 Her - I       | mer 18.43 | 308 | 67  | mer 19.43 | 345 | 73  | mer 20.43 | 31  | 72  | 245           |
|              |       |       |       |       | G1518.0913 Her - II | mer 20.30 | 65  | 55  | mer 21.30 | 79  | 44  | mer 22.30 | 90  | 33  | 82            |
|              |       |       |       |       | V473 And - II       | mer 21.42 | 247 | 43  | mer 22.42 | 253 | 53  | mer 23.42 | 258 | 64  | 165           |
|              |       |       |       |       | V1106 Her - II      | mer 21.46 | 61  | 63  | mer 22.46 | 78  | 53  | mer 23.46 | 89  | 42  | 245           |
|              |       |       |       |       | G3881.0579 Dra - I  | mer 21.52 | 132 | 53  | mer 22.52 | 134 | 45  | mer 23.52 | 137 | 37  | -34           |
|              |       |       |       |       | V1072 Her - I       | mer 22.59 | 120 | 56  | mer 23.59 | 123 | 47  | gio 00.59 | 127 | 38  | 100           |
|              |       |       |       |       | V556 Lyr - I        | mer 23.04 | 84  | 68  | gio 00.04 | 94  | 57  | gio 01.04 | 102 | 46  | 267           |
|              |       |       |       |       | VV Eri - I          | gio 00.55 | 280 | 26  | gio 01.55 | 292 | 37  | gio 02.55 | 307 | 47  | -33           |
|              |       |       |       |       | QQ Lyr - I          | gio 01.11 | 98  | 42  | gio 02.11 | 107 | 31  | gio 03.11 | 115 | 20  | 290           |
| gio 09-08-12 | 19.19 | 20.00 | 02.15 | 02.55 | V1106 Her - I       | gio 19.09 | 324 | 71  | gio 20.09 | 9   | 74  | gio 21.09 | 48  | 68  | 242           |
|              |       |       |       |       | FU Lac - II         | gio 19.15 | 244 | 42  | gio 20.15 | 249 | 52  | gio 21.15 | 253 | 63  | 252           |
|              |       |       |       |       | G1518.0913 Her - II | gio 19.38 | 49  | 63  | gio 20.38 | 68  | 53  | gio 21.38 | 82  | 42  | 76            |
|              |       |       |       |       | V1072 Her - II      | gio 20.09 | 152 | 81  | gio 21.09 | 124 | 73  | gio 22.09 | 119 | 64  | 98            |
|              |       |       |       |       | V691 Her - I        | gio 21.10 | 73  | 44  | gio 22.10 | 84  | 33  | gio 23.10 | 95  | 22  | 79            |
|              |       |       |       |       | G3881.0579 Dra - I  | gio 21.35 | 133 | 55  | gio 22.35 | 133 | 47  | gio 23.35 | 136 | 39  | -36           |
|              |       |       |       |       | V473 And - I        | gio 21.47 | 248 | 44  | gio 22.47 | 254 | 55  | gio 23.47 | 259 | 65  | 171           |
|              |       |       |       |       | QQ Lyr - II         | gio 22.08 | 56  | 74  | gio 23.08 | 77  | 63  | ven 00.08 | 89  | 52  | 288           |
|              |       |       |       |       | V1106 Her - II      | gio 22.12 | 70  | 58  | gio 23.12 | 84  | 47  | ven 00.12 | 94  | 36  | 241           |
|              |       |       |       |       | V423 Tau - II       | gio 22.35 | 237 | 53  | gio 23.35 | 238 | 62  | ven 00.35 | 233 | 72  | 108           |
| ven 10-08-12 | 19.17 | 19.58 | 02.16 | 02.57 | V691 Her - II       | ven 18.19 | 10  | 65  | ven 19.19 | 40  | 60  | ven 20.19 | 61  | 52  | 73            |
|              |       |       |       |       | G1518.0913 Her - II | ven 18.45 | 25  | 68  | ven 19.45 | 54  | 61  | ven 20.45 | 71  | 51  | 70            |
|              |       |       |       |       | QQ Lyr - I          | ven 19.06 | 285 | 65  | ven 20.06 | 308 | 75  | ven 21.06 | 5   | 80  | 287           |
|              |       |       |       |       | V1106 Her - I       | ven 19.36 | 345 | 73  | ven 20.36 | 31  | 72  | ven 21.36 | 60  | 64  | 238           |
|              |       |       |       |       | V1187 Cyg - I       | ven 20.18 | 262 | 72  | ven 21.18 | 267 | 83  | ven 22.18 | 91  | 86  | 258           |
|              |       |       |       |       | G3881.0579 Dra - I  | ven 21.17 | 133 | 57  | ven 22.17 | 133 | 48  | ven 23.17 | 135 | 40  | -38           |
|              |       |       |       |       | V473 And - II       | ven 21.52 | 249 | 46  | ven 22.52 | 254 | 56  | ven 23.52 | 260 | 67  | 178           |
|              |       |       |       |       | BW Peg - I          | ven 22.33 | 332 | 67  | ven 23.33 | 10  | 69  | sab 00.33 | 43  | 64  | 405           |
|              |       |       |       |       | V1106 Her - II      | ven 22.39 | 78  | 53  | ven 23.39 | 89  | 41  | sab 00.39 | 99  | 30  | 237           |
|              |       |       |       |       | FU Lac - I          | ven 22.43 | 255 | 79  | ven 23.43 | 166 | 88  | sab 00.43 | 104 | 78  | 256           |
|              |       |       |       |       | V1072 Her - II      | sab 00.23 | 125 | 42  | sab 01.23 | 130 | 33  | sab 02.23 | 136 | 25  | 96            |
|              |       |       |       |       | G3881.0579 Dra - II | sab 01.15 | 144 | 26  | sab 02.15 | 150 | 20  | sab 03.15 | 157 | 15  | -38           |
| sab 11-08-12 | 19.16 | 19.56 | 02.18 | 02.58 | V1106 Her - I       | sab 20.02 | 10  | 74  | sab 21.02 | 48  | 68  | sab 22.02 | 70  | 58  | 234           |
|              |       |       |       |       | G3881.0579 Dra - I  | sab 21.00 | 133 | 59  | sab 22.00 | 133 | 50  | sab 23.00 | 135 | 42  | -40           |
|              |       |       |       |       | V1072 Her - I       | sab 21.33 | 121 | 68  | sab 22.33 | 119 | 59  | sab 23.33 | 122 | 49  | 95            |
|              |       |       |       |       | G1518.0913 Her - I  | sab 21.44 | 84  | 39  | sab 22.44 | 95  | 28  | sab 23.44 | 104 | 17  | 63            |
|              |       |       |       |       | V473 And - I        | sab 21.57 | 250 | 47  | sab 22.57 | 255 | 58  | sab 23.57 | 261 | 69  | 184           |
|              |       |       |       |       | V556 Lyr - I        | sab 22.36 | 80  | 71  | sab 23.36 | 92  | 60  | dom 00.36 | 100 | 49  | 263           |
|              |       |       |       |       | V1106 Her - II      | sab 23.05 | 84  | 47  | dom 00.05 | 94  | 36  | dom 01.05 | 103 | 25  | 233           |
|              |       |       |       |       | V423 Tau - II       | sab 23.41 | 237 | 65  | dom 00.41 | 230 | 74  | dom 01.41 | 199 | 80  | 120           |
|              |       |       |       |       | G3881.0579 Dra - II | dom 00.57 | 143 | 28  | dom 01.57 | 149 | 21  | dom 02.57 | 156 | 16  | -40           |
| dom 12-08-12 | 19.14 | 19.54 | 02.19 | 02.59 | V1072 Her - II      | dom 18.43 | 224 | 79  | dom 19.43 | 167 | 82  | dom 20.43 | 128 | 76  | 93            |
|              |       |       |       |       | V691 Her - I        | dom 19.38 | 50  | 57  | dom 20.38 | 68  | 47  | dom 21.38 | 81  | 36  | 60            |
|              |       |       |       |       | V1106 Her - I       | dom 20.29 | 32  | 72  | dom 21.29 | 61  | 63  | dom 22.29 | 77  | 53  | 230           |
|              |       |       |       |       | G3881.0579 Dra - I  | dom 20.43 | 134 | 60  | dom 21.43 | 133 | 52  | dom 22.43 | 134 | 44  | -42           |
|              |       |       |       |       | G1518.0913 Her - I  | dom 20.52 | 75  | 48  | dom 21.52 | 86  | 37  | dom 22.52 | 96  | 26  | 57            |
|              |       |       |       |       | V473 And - II       | dom 22.02 | 250 | 49  | dom 23.02 | 256 | 59  | lun 00.02 | 261 | 70  | 190           |
|              |       |       |       |       | V1106 Her - II      | dom 23.32 | 89  | 41  | lun 00.32 | 99  | 30  | lun 01.32 | 108 | 19  | 229           |
|              |       |       |       |       | G3881.0579 Dra - II | lun 00.40 | 142 | 29  | lun 01.40 | 147 | 23  | lun 02.40 | 154 | 17  | -42           |
|              |       |       |       |       | V1072 Her - I       | lun 01.46 | 133 | 29  | lun 02.46 | 139 | 21  | lun 03.46 | 146 | 14  | 92            |
| lun 13-08-12 | 19.12 | 19.52 | 02.21 | 03.01 | G1518.0913 Her - I  | lun 19.59 | 62  | 57  | lun 20.59 | 77  | 46  | lun 21.59 | 88  | 35  | 51            |
|              |       |       |       |       | G3881.0579 Dra - I  | lun 20.26 | 135 | 62  | lun 21.26 | 133 | 54  | lun 22.26 | 134 | 46  | -44           |
|              |       |       |       |       | V1187 Cyg - I       | lun 20.38 | 265 | 78  | lun 21.38 | 271 | 89  | lun 22.38 | 94  | 80  | 259           |
|              |       |       |       |       | V1106 Her - I       | lun 20.55 | 49  | 68  | lun 21.55 | 70  | 58  | lun 22.55 | 83  | 47  | 226           |
|              |       |       |       |       | EZ Lac - II         | lun 21.40 | 238 | 63  | lun 22.40 | 232 | 72  | lun 23.40 | 208 | 80  | 198           |
|              |       |       |       |       | V473 And - I        | lun 22.07 | 251 | 50  | lun 23.07 | 257 | 61  | mar 00.07 | 262 | 72  | 196           |
|              |       |       |       |       | V1072 Her - II      | lun 22.56 | 120 | 54  | lun 23.56 | 124 | 44  | mar 00.56 | 128 | 35  | 91            |

| Day          | Sun   | Sun   | Sun   | Sun   | Star Name           | 1h before |     |     | Time of   |     |     | 1h after  |     |     | Helio<br>Corr |
|--------------|-------|-------|-------|-------|---------------------|-----------|-----|-----|-----------|-----|-----|-----------|-----|-----|---------------|
|              | -12°  | -18°  | -18°  | -12°  |                     | Min.      | Azi | Alt | minimum   | Azi | Alt | Min.      | Azi | Alt |               |
|              |       |       |       |       | V1106 Her - II      | lun 23.58 | 94  | 36  | mar 00.58 | 103 | 25  | mar 01.58 | 112 | 14  | 225           |
|              |       |       |       |       | G3881.0579 Dra - II | mar 00.23 | 141 | 31  | mar 01.23 | 146 | 24  | mar 02.23 | 152 | 18  | -44           |
|              |       |       |       |       | V423 Tau - II       | mar 00.46 | 226 | 75  | mar 01.46 | 186 | 81  | mar 02.46 | 139 | 77  | 132           |
| mar 14-08-12 | 19.11 | 19.50 | 02.22 | 03.02 | V1106 Her - II      | mar 18.18 | 308 | 67  | mar 19.18 | 344 | 73  | mar 20.18 | 30  | 72  | 222           |
|              |       |       |       |       | G1518.0913 Her - I  | mar 19.07 | 44  | 64  | mar 20.07 | 65  | 55  | mar 21.07 | 79  | 44  | 45            |
|              |       |       |       |       | V1072 Her - I       | mar 20.06 | 140 | 79  | mar 21.06 | 122 | 71  | mar 22.06 | 119 | 61  | 89            |
|              |       |       |       |       | G3881.0579 Dra - I  | mar 20.08 | 136 | 64  | mar 21.08 | 133 | 56  | mar 22.08 | 133 | 48  | -46           |
|              |       |       |       |       | V691 Her - II       | mar 20.57 | 74  | 42  | mar 21.57 | 86  | 31  | mar 22.57 | 96  | 20  | 46            |
|              |       |       |       |       | V1106 Her - I       | mar 21.22 | 61  | 63  | mar 22.22 | 77  | 53  | mar 23.22 | 89  | 42  | 221           |
|              |       |       |       |       | BW Peg - II         | mar 21.36 | 312 | 62  | mar 22.36 | 342 | 69  | mar 23.36 | 21  | 68  | 412           |
|              |       |       |       |       | V556 Lyr - I        | mar 22.07 | 75  | 74  | mar 23.07 | 89  | 63  | mer 00.07 | 98  | 52  | 259           |
|              |       |       |       |       | V473 And - II       | mar 22.12 | 252 | 52  | mar 23.12 | 258 | 63  | mer 00.12 | 263 | 74  | 202           |
|              |       |       |       |       | G3881.0579 Dra - II | mer 00.05 | 140 | 32  | mer 01.05 | 145 | 26  | mer 02.05 | 151 | 20  | -46           |
| mer 15-08-12 | 19.09 | 19.49 | 02.24 | 03.03 | G1518.0913 Her - I  | mer 18.15 | 19  | 69  | mer 19.15 | 49  | 62  | mer 20.15 | 69  | 53  | 39            |
|              |       |       |       |       | V1106 Her - II      | mer 18.45 | 324 | 71  | mer 19.45 | 8   | 74  | mer 20.45 | 47  | 68  | 218           |
|              |       |       |       |       | G3881.0579 Dra - I  | mer 19.51 | 138 | 66  | mer 20.51 | 133 | 58  | mer 21.51 | 133 | 49  | -48           |
|              |       |       |       |       | V1106 Her - I       | mer 21.48 | 70  | 58  | mer 22.48 | 84  | 47  | mer 23.48 | 94  | 36  | 217           |
|              |       |       |       |       | G1518.0913 Her - II | mer 22.06 | 91  | 33  | mer 23.06 | 100 | 21  | gio 00.06 | 110 | 11  | 38            |
|              |       |       |       |       | V473 And - I        | mer 22.17 | 253 | 53  | mer 23.17 | 258 | 64  | gio 00.17 | 264 | 75  | 208           |
|              |       |       |       |       | G3881.0579 Dra - II | mer 23.48 | 139 | 34  | gio 00.48 | 144 | 27  | gio 01.48 | 150 | 21  | -48           |
|              |       |       |       |       | V1072 Her - I       | gio 00.20 | 126 | 39  | gio 01.20 | 131 | 31  | gio 02.20 | 137 | 23  | 87            |
|              |       |       |       |       | QQ Lyr - I          | gio 00.52 | 100 | 40  | gio 01.52 | 108 | 29  | gio 02.52 | 116 | 19  | 277           |
|              |       |       |       |       | VV Eri - II         | gio 01.08 | 288 | 34  | gio 02.08 | 302 | 44  | gio 03.08 | 320 | 52  | 26            |
|              |       |       |       |       | V423 Tau - II       | gio 01.52 | 173 | 81  | gio 02.52 | 134 | 75  | gio 03.52 | 123 | 67  | 143           |
| gio 16-08-12 | 19.07 | 19.47 | 02.25 | 03.05 | V423 Tau - II       | gio 18.14 | 218 | 20  | gio 19.14 | 225 | 28  | gio 20.14 | 230 | 36  | 147           |
|              |       |       |       |       | V1106 Her - II      | gio 19.11 | 345 | 73  | gio 20.11 | 31  | 72  | gio 21.11 | 60  | 64  | 213           |
|              |       |       |       |       | G3881.0579 Dra - I  | gio 19.34 | 140 | 67  | gio 20.34 | 134 | 59  | gio 21.34 | 133 | 51  | -50           |
|              |       |       |       |       | V1187 Cyg - I       | gio 20.59 | 267 | 83  | gio 21.59 | 92  | 85  | gio 22.59 | 97  | 74  | 259           |
|              |       |       |       |       | G1518.0913 Her - II | gio 21.13 | 82  | 42  | gio 22.13 | 93  | 30  | gio 23.13 | 102 | 19  | 32            |
|              |       |       |       |       | V1072 Her - II      | gio 21.30 | 120 | 66  | gio 22.30 | 120 | 56  | gio 23.30 | 123 | 46  | 85            |
|              |       |       |       |       | QQ Lyr - II         | gio 21.49 | 60  | 72  | gio 22.49 | 79  | 62  | gio 23.49 | 91  | 51  | 275           |
|              |       |       |       |       | V1106 Her - I       | gio 22.15 | 78  | 53  | gio 23.15 | 89  | 42  | ven 00.15 | 99  | 30  | 213           |
|              |       |       |       |       | V473 And - II       | gio 22.22 | 254 | 55  | gio 23.22 | 259 | 66  | ven 00.22 | 265 | 77  | 214           |
|              |       |       |       |       | G3881.0579 Dra - II | gio 23.31 | 138 | 36  | ven 00.31 | 142 | 29  | ven 01.31 | 148 | 22  | -50           |
| ven 17-08-12 | 19.06 | 19.45 | 02.27 | 03.06 | V1072 Her - I       | ven 18.40 | 214 | 81  | ven 19.40 | 150 | 81  | ven 20.40 | 124 | 73  | 83            |
|              |       |       |       |       | QQ Lyr - I          | ven 18.47 | 287 | 66  | ven 19.47 | 314 | 76  | ven 20.47 | 15  | 79  | 273           |
|              |       |       |       |       | G3881.0579 Dra - I  | ven 19.16 | 142 | 69  | ven 20.16 | 134 | 61  | ven 21.16 | 132 | 53  | -52           |
|              |       |       |       |       | V691 Her - II       | ven 19.25 | 52  | 56  | ven 20.25 | 69  | 46  | ven 21.25 | 82  | 35  | 27            |
|              |       |       |       |       | FU Lac - I          | ven 19.32 | 248 | 50  | ven 20.32 | 253 | 61  | ven 21.32 | 256 | 71  | 275           |
|              |       |       |       |       | V1106 Her - II      | ven 19.38 | 9   | 74  | ven 20.38 | 48  | 68  | ven 21.38 | 70  | 59  | 209           |
|              |       |       |       |       | G1518.0913 Her - II | ven 20.21 | 72  | 50  | ven 21.21 | 84  | 39  | ven 22.21 | 95  | 28  | 26            |
|              |       |       |       |       | V556 Lyr - I        | ven 21.39 | 68  | 77  | ven 22.39 | 86  | 66  | ven 23.39 | 96  | 55  | 253           |
|              |       |       |       |       | V473 And - I        | ven 22.27 | 255 | 57  | ven 23.27 | 260 | 67  | sab 00.27 | 266 | 78  | 219           |
|              |       |       |       |       | V1106 Her - I       | ven 22.41 | 84  | 47  | ven 23.41 | 94  | 36  | sab 00.41 | 103 | 25  | 208           |
|              |       |       |       |       | G3881.0579 Dra - II | ven 23.14 | 137 | 37  | sab 00.14 | 141 | 30  | sab 01.14 | 147 | 23  | -52           |
|              |       |       |       |       | BW Peg - II         | sab 01.37 | 73  | 50  | sab 02.37 | 85  | 39  | sab 03.37 | 95  | 27  | 416           |
| sab 18-08-12 | 19.04 | 19.43 | 02.29 | 03.07 | G3881.0579 Dra - I  | sab 18.59 | 145 | 70  | sab 19.59 | 135 | 63  | sab 20.59 | 133 | 55  | -54           |
|              |       |       |       |       | V423 Tau - II       | sab 19.20 | 226 | 29  | sab 20.20 | 231 | 38  | sab 21.20 | 235 | 47  | 159           |
|              |       |       |       |       | G1518.0913 Her - II | sab 19.29 | 59  | 59  | sab 20.29 | 75  | 48  | sab 21.29 | 86  | 37  | 20            |
|              |       |       |       |       | V1106 Her - II      | sab 20.04 | 31  | 72  | sab 21.04 | 60  | 64  | sab 22.04 | 77  | 53  | 204           |
|              |       |       |       |       | BW Peg - I          | sab 20.38 | 297 | 56  | sab 21.38 | 319 | 65  | sab 22.38 | 354 | 69  | 417           |
|              |       |       |       |       | V473 And - II       | sab 22.31 | 255 | 58  | sab 23.31 | 261 | 69  | dom 00.31 | 266 | 80  | 225           |
|              |       |       |       |       | V1072 Her - I       | sab 22.54 | 121 | 51  | sab 23.54 | 125 | 41  | dom 00.54 | 130 | 33  | 80            |
|              |       |       |       |       | G3881.0579 Dra - II | sab 22.56 | 136 | 39  | sab 23.56 | 140 | 32  | dom 00.56 | 145 | 25  | -54           |
|              |       |       |       |       | FU Lac - II         | sab 23.00 | 221 | 88  | dom 00.00 | 106 | 80  | dom 01.00 | 105 | 70  | 278           |
|              |       |       |       |       | V1106 Her - I       | sab 23.07 | 89  | 41  | dom 00.07 | 99  | 30  | dom 01.07 | 108 | 19  | 204           |
| dom 19-08-12 | 19.02 | 19.41 | 02.30 | 03.08 | G1518.0913 Her - II | dom 18.36 | 39  | 65  | dom 19.36 | 62  | 57  | dom 20.36 | 77  | 46  | 14            |
|              |       |       |       |       | G3881.0579 Dra - I  | dom 18.42 | 149 | 72  | dom 19.42 | 137 | 65  | dom 20.42 | 133 | 57  | -56           |
|              |       |       |       |       | V1072 Her - II      | dom 20.04 | 131 | 77  | dom 21.04 | 120 | 68  | dom 22.04 | 119 | 58  | 79            |
|              |       |       |       |       | V1106 Her - II      | dom 20.31 | 48  | 68  | dom 21.31 | 70  | 58  | dom 22.31 | 83  | 48  | 200           |
|              |       |       |       |       | V691 Her - I        | dom 20.44 | 75  | 41  | dom 21.44 | 87  | 30  | dom 22.44 | 97  | 19  | 13            |
|              |       |       |       |       | V1187 Cyg - I       | dom 21.19 | 274 | 89  | dom 22.19 | 95  | 79  | dom 23.19 | 100 | 68  | 259           |
|              |       |       |       |       | V473 And - I        | dom 22.36 | 256 | 60  | dom 23.36 | 262 | 71  | lun 00.36 | 267 | 82  | 231           |
|              |       |       |       |       | G3881.0579 Dra - II | dom 22.39 | 135 | 41  | dom 23.39 | 139 | 33  | lun 00.39 | 144 | 26  | -56           |
|              |       |       |       |       | V1106 Her - I       | dom 23.34 | 94  | 36  | lun 00.34 | 103 | 25  | lun 01.34 | 112 | 14  | 199           |
| lun 20-08-12 | 19.00 | 19.39 | 02.32 | 03.10 | G3881.0579 Dra - I  | lun 18.25 | 154 | 73  | lun 19.25 | 139 | 66  | lun 20.25 | 133 | 59  | -57           |

| Day          | Sun   | Sun   | Sun   | Sun   | Star Name           | 1h before |     |     | Time of   |     |     | 1h after  |     |     | Helio<br>Corr |
|--------------|-------|-------|-------|-------|---------------------|-----------|-----|-----|-----------|-----|-----|-----------|-----|-----|---------------|
|              | -12°  | -18°  | -18°  | -12°  |                     | Min.      | Azi | Alt | minimum   | Azi | Alt | Min.      | Azi | Alt |               |
|              |       |       |       |       | V423 Tau - II       | lun 20.25 | 232 | 40  | lun 21.25 | 236 | 49  | lun 22.25 | 238 | 58  | 170           |
|              |       |       |       |       | V1106 Her - II      | lun 20.57 | 61  | 63  | lun 21.57 | 77  | 53  | lun 22.57 | 89  | 42  | 195           |
|              |       |       |       |       | EZ Lac - I          | lun 21.07 | 238 | 62  | lun 22.07 | 233 | 71  | lun 23.07 | 211 | 79  | 224           |
|              |       |       |       |       | V556 Lyr - I        | lun 21.10 | 59  | 80  | lun 22.10 | 82  | 69  | lun 23.10 | 93  | 58  | 248           |
|              |       |       |       |       | G1518.0913 Her - I  | lun 21.35 | 89  | 35  | lun 22.35 | 99  | 23  | lun 23.35 | 108 | 13  | 7             |
|              |       |       |       |       | G3881.0579 Dra - II | lun 22.22 | 135 | 43  | lun 23.22 | 138 | 35  | mar 00.22 | 143 | 28  | -58           |
|              |       |       |       |       | V473 And - II       | lun 22.41 | 257 | 61  | lun 23.41 | 262 | 72  | mar 00.41 | 268 | 83  | 236           |
|              |       |       |       |       | V1072 Her - II      | mar 00.17 | 127 | 37  | mar 01.17 | 133 | 28  | mar 02.17 | 139 | 20  | 76            |
| mar 21-08-12 | 18.59 | 19.37 | 02.33 | 03.11 | G3881.0579 Dra - I  | mar 18.07 | 159 | 74  | mar 19.07 | 141 | 68  | mar 20.07 | 134 | 60  | -59           |
|              |       |       |       |       | V1106 Her - I       | mar 18.20 | 323 | 71  | mar 19.20 | 8   | 74  | mar 20.20 | 47  | 68  | 191           |
|              |       |       |       |       | G1518.0913 Her - I  | mar 20.43 | 80  | 44  | mar 21.43 | 91  | 32  | mar 22.43 | 100 | 21  | 1             |
|              |       |       |       |       | V1106 Her - II      | mar 21.24 | 70  | 58  | mar 22.24 | 83  | 47  | mar 23.24 | 94  | 36  | 191           |
|              |       |       |       |       | V1072 Her - I       | mar 21.27 | 119 | 63  | mar 22.27 | 120 | 53  | mar 23.27 | 124 | 44  | 74            |
|              |       |       |       |       | G3881.0579 Dra - II | mar 22.04 | 134 | 44  | mar 23.04 | 137 | 37  | mer 00.04 | 142 | 29  | -60           |
|              |       |       |       |       | V473 And - I        | mar 22.46 | 258 | 63  | mar 23.46 | 263 | 74  | mer 00.46 | 269 | 85  | 242           |
|              |       |       |       |       | BW Peg - I          | mer 00.39 | 62  | 57  | mer 01.39 | 77  | 46  | mer 02.39 | 88  | 35  | 419           |
| mer 22-08-12 | 18.57 | 19.35 | 02.35 | 03.12 | V473 And - I        | mer 18.02 | 228 | 17  | mer 19.02 | 235 | 25  | mer 20.02 | 242 | 35  | 246           |
|              |       |       |       |       | V1072 Her - II      | mer 18.38 | 198 | 82  | mer 19.38 | 138 | 79  | mer 20.38 | 122 | 70  | 72            |
|              |       |       |       |       | V1106 Her - I       | mer 18.47 | 344 | 73  | mer 19.47 | 30  | 72  | mer 20.47 | 60  | 64  | 187           |
|              |       |       |       |       | V691 Her - I        | mer 19.11 | 55  | 55  | mer 20.11 | 71  | 45  | mer 21.11 | 83  | 34  | -6            |
|              |       |       |       |       | BW Peg - II         | mer 19.40 | 286 | 49  | mer 20.40 | 303 | 59  | mer 21.40 | 328 | 67  | 420           |
|              |       |       |       |       | G1518.0913 Her - I  | mer 19.50 | 69  | 52  | mer 20.50 | 82  | 41  | mer 21.50 | 93  | 30  | -5            |
|              |       |       |       |       | DT Cam - II         | mer 21.13 | 205 | 16  | mer 22.13 | 211 | 21  | mer 23.13 | 217 | 28  | -159          |
|              |       |       |       |       | V423 Tau - II       | mer 21.31 | 237 | 51  | mer 22.31 | 238 | 60  | mer 23.31 | 235 | 70  | 181           |
|              |       |       |       |       | V1187 Cyg - I       | mer 21.39 | 92  | 85  | mer 22.39 | 97  | 73  | mer 23.39 | 103 | 62  | 258           |
|              |       |       |       |       | G3881.0579 Dra - II | mer 21.47 | 133 | 46  | mer 22.47 | 136 | 38  | mer 23.47 | 141 | 31  | -61           |
|              |       |       |       |       | V1106 Her - II      | mer 21.50 | 77  | 53  | mer 22.50 | 89  | 42  | mer 23.50 | 99  | 31  | 186           |
|              |       |       |       |       | V473 And - II       | mer 22.51 | 259 | 65  | mer 23.51 | 264 | 76  | gio 00.51 | 271 | 87  | 247           |
|              |       |       |       |       | QQ Lyr - I          | gio 00.33 | 101 | 38  | gio 01.33 | 109 | 28  | gio 02.33 | 117 | 17  | 260           |
|              |       |       |       |       | VV Eri - I          | gio 01.21 | 297 | 41  | gio 02.21 | 314 | 50  | gio 03.21 | 336 | 56  | 84            |
| gio 23-08-12 | 18.55 | 19.33 | 02.36 | 03.14 | V473 And - II       | gio 18.07 | 229 | 18  | gio 19.07 | 236 | 27  | gio 20.07 | 243 | 36  | 251           |
|              |       |       |       |       | G1518.0913 Her - I  | gio 18.58 | 55  | 60  | gio 19.58 | 72  | 50  | gio 20.58 | 85  | 39  | -11           |
|              |       |       |       |       | V1106 Her - I       | gio 19.13 | 8   | 74  | gio 20.13 | 47  | 68  | gio 21.13 | 69  | 59  | 182           |
|              |       |       |       |       | V556 Lyr - I        | gio 20.42 | 44  | 82  | gio 21.42 | 78  | 72  | gio 22.42 | 90  | 61  | 241           |
|              |       |       |       |       | G3881.0579 Dra - II | gio 21.30 | 133 | 48  | gio 22.30 | 136 | 40  | gio 23.30 | 140 | 32  | -63           |
|              |       |       |       |       | QQ Lyr - II         | gio 21.31 | 64  | 71  | gio 22.31 | 81  | 60  | gio 23.31 | 92  | 49  | 257           |
|              |       |       |       |       | V1106 Her - II      | gio 22.17 | 84  | 47  | gio 23.17 | 94  | 36  | ven 00.17 | 103 | 25  | 181           |
|              |       |       |       |       | V1072 Her - II      | gio 22.51 | 122 | 48  | gio 23.51 | 126 | 39  | ven 00.51 | 131 | 30  | 70            |
|              |       |       |       |       | V473 And - I        | gio 22.56 | 259 | 66  | gio 23.56 | 265 | 77  | ven 00.56 | 274 | 88  | 253           |
| ven 24-08-12 | 18.53 | 19.31 | 02.37 | 03.15 | G1518.0913 Her - I  | ven 18.06 | 34  | 67  | ven 19.06 | 59  | 58  | ven 20.06 | 75  | 48  | -17           |
|              |       |       |       |       | V473 And - I        | ven 18.12 | 230 | 19  | ven 19.12 | 238 | 28  | ven 20.12 | 244 | 38  | 257           |
|              |       |       |       |       | QQ Lyr - I          | ven 18.28 | 290 | 68  | ven 19.28 | 320 | 77  | ven 20.28 | 25  | 79  | 255           |
|              |       |       |       |       | V1106 Her - I       | ven 19.40 | 31  | 72  | ven 20.40 | 60  | 64  | ven 21.40 | 77  | 53  | 177           |
|              |       |       |       |       | V1072 Her - I       | ven 20.01 | 126 | 75  | ven 21.01 | 120 | 65  | ven 22.01 | 120 | 56  | 68            |
|              |       |       |       |       | V691 Her - II       | ven 20.31 | 77  | 40  | ven 21.31 | 88  | 29  | ven 22.31 | 98  | 18  | -20           |
|              |       |       |       |       | G3881.0579 Dra - II | ven 21.12 | 133 | 50  | ven 22.12 | 135 | 42  | ven 23.12 | 139 | 34  | -65           |
|              |       |       |       |       | V423 Tau - II       | ven 22.37 | 238 | 63  | ven 23.37 | 232 | 72  | sab 00.37 | 209 | 79  | 192           |
|              |       |       |       |       | V1106 Her - II      | ven 22.43 | 89  | 42  | ven 23.43 | 99  | 30  | sab 00.43 | 108 | 20  | 177           |
|              |       |       |       |       | V473 And - II       | ven 23.01 | 260 | 68  | sab 00.01 | 266 | 79  | sab 01.01 | 3   | 90  | 258           |
|              |       |       |       |       | EZ Lac - II         | sab 01.35 | 123 | 66  | sab 02.35 | 122 | 57  | sab 03.35 | 124 | 48  | 238           |
| sab 25-08-12 | 18.51 | 19.29 | 02.39 | 03.16 | V473 And - II       | sab 18.17 | 231 | 20  | sab 19.17 | 239 | 29  | sab 20.17 | 245 | 39  | 262           |
|              |       |       |       |       | FU Lac - II         | sab 19.49 | 252 | 59  | sab 20.49 | 255 | 69  | sab 21.49 | 255 | 80  | 293           |
|              |       |       |       |       | V1106 Her - I       | sab 20.06 | 48  | 68  | sab 21.06 | 70  | 59  | sab 22.06 | 83  | 48  | 172           |
|              |       |       |       |       | G3881.0579 Dra - II | sab 20.55 | 133 | 52  | sab 21.55 | 134 | 44  | sab 22.55 | 138 | 36  | -67           |
|              |       |       |       |       | G1518.0913 Her - II | sab 21.04 | 87  | 37  | sab 22.04 | 97  | 25  | sab 23.04 | 106 | 15  | -24           |
|              |       |       |       |       | V1187 Cyg - I       | sab 21.59 | 95  | 79  | sab 22.59 | 100 | 68  | sab 23.59 | 106 | 57  | 256           |
|              |       |       |       |       | V473 And - I        | sab 23.06 | 261 | 69  | dom 00.06 | 267 | 80  | dom 01.06 | 86  | 88  | 263           |
|              |       |       |       |       | V423 Tau - I        | sab 23.10 | 219 | 21  | dom 00.10 | 225 | 28  | dom 01.10 | 231 | 36  | -193          |
|              |       |       |       |       | V1106 Her - II      | sab 23.10 | 94  | 36  | dom 00.10 | 103 | 25  | dom 01.10 | 112 | 14  | 172           |
|              |       |       |       |       | BW Peg - II         | sab 23.42 | 47  | 63  | dom 00.42 | 67  | 54  | dom 01.42 | 80  | 43  | 421           |
|              |       |       |       |       | V1072 Her - I       | dom 00.15 | 129 | 34  | dom 01.15 | 135 | 26  | dom 02.15 | 141 | 18  | 65            |
| dom 26-08-12 | 18.50 | 19.27 | 02.40 | 03.17 | V473 And - I        | dom 18.22 | 232 | 22  | dom 19.22 | 239 | 31  | dom 20.22 | 246 | 41  | 267           |
|              |       |       |       |       | BW Peg - I          | dom 18.42 | 278 | 41  | dom 19.42 | 290 | 52  | dom 20.42 | 309 | 62  | 421           |
|              |       |       |       |       | G1518.0913 Her - II | dom 20.12 | 78  | 46  | dom 21.12 | 89  | 34  | dom 22.12 | 99  | 23  | -30           |
|              |       |       |       |       | V556 Lyr - I        | dom 20.13 | 20  | 84  | dom 21.13 | 72  | 75  | dom 22.13 | 88  | 64  | 234           |
|              |       |       |       |       | V1106 Her - I       | dom 20.33 | 60  | 64  | dom 21.33 | 77  | 53  | dom 22.33 | 89  | 42  | 168           |
|              |       |       |       |       | G3881.0579 Dra - II | dom 20.38 | 132 | 54  | dom 21.38 | 134 | 45  | dom 22.38 | 137 | 37  | -69           |

| Day          | Sun   | Sun   | Sun   | Sun   | Star Name           | 1h before |     |     | Time of   |     |     | 1h after  |     |     | Heliocorr |
|--------------|-------|-------|-------|-------|---------------------|-----------|-----|-----|-----------|-----|-----|-----------|-----|-----|-----------|
|              | -12°  | -18°  | -18°  | -12°  |                     | Min.      | Azi | Alt | minimum   | Azi | Alt | Min.      | Azi | Alt |           |
|              |       |       |       |       | V1072 Her - II      | dom 21.25 | 119 | 60  | dom 22.25 | 121 | 50  | dom 23.25 | 125 | 41  | 63        |
|              |       |       |       |       | VV Eri - II         | dom 22.48 | 271 | 16  | dom 23.48 | 281 | 27  | lun 00.48 | 293 | 38  | 116       |
|              |       |       |       |       | V473 And - II       | dom 23.11 | 262 | 71  | lun 00.11 | 267 | 82  | lun 01.11 | 89  | 87  | 268       |
|              |       |       |       |       | FU Lac - I          | dom 23.17 | 108 | 83  | lun 00.17 | 104 | 72  | lun 01.17 | 107 | 61  | 296       |
|              |       |       |       |       | V423 Tau - II       | dom 23.42 | 230 | 74  | lun 00.42 | 198 | 80  | lun 01.42 | 146 | 79  | 202       |
| lun 27-08-12 | 18.48 | 19.25 | 02.42 | 03.18 | V1106 Her - II      | lun 17.56 | 323 | 71  | lun 18.56 | 7   | 74  | lun 19.56 | 47  | 69  | 163       |
|              |       |       |       |       | V473 And - II       | lun 18.27 | 234 | 23  | lun 19.27 | 240 | 32  | lun 20.27 | 247 | 42  | 272       |
|              |       |       |       |       | V1072 Her - I       | lun 18.35 | 178 | 82  | lun 19.35 | 131 | 77  | lun 20.35 | 120 | 68  | 61        |
|              |       |       |       |       | V691 Her - II       | lun 18.58 | 57  | 54  | lun 19.58 | 72  | 44  | lun 20.58 | 84  | 33  | -40       |
|              |       |       |       |       | G1518.0913 Her - II | lun 19.20 | 66  | 54  | lun 20.20 | 80  | 43  | lun 21.20 | 91  | 32  | -36       |
|              |       |       |       |       | AK Ser - II         | lun 19.36 | 24  | 31  | lun 20.36 | 39  | 25  | lun 21.36 | 52  | 17  | 169       |
|              |       |       |       |       | G3881.0579 Dra - II | lun 20.21 | 133 | 55  | lun 21.21 | 133 | 47  | lun 22.21 | 136 | 39  | -70       |
|              |       |       |       |       | EZ Lac - II         | lun 20.34 | 238 | 61  | lun 21.34 | 234 | 70  | lun 22.34 | 215 | 79  | 246       |
|              |       |       |       |       | V1106 Her - I       | lun 20.59 | 70  | 58  | lun 21.59 | 83  | 48  | lun 22.59 | 94  | 36  | 163       |
|              |       |       |       |       | V473 And - I        | lun 23.16 | 263 | 73  | mar 00.16 | 268 | 84  | mar 01.16 | 91  | 85  | 273       |
|              |       |       |       |       | V423 Tau - I        | mar 00.15 | 226 | 30  | mar 01.15 | 232 | 38  | mar 02.15 | 236 | 47  | -179      |
|              |       |       |       |       | CQ Ori - I          | mar 01.22 | 264 | 14  | mar 02.22 | 274 | 25  | mar 03.22 | 285 | 36  | -253      |
| mar 28-08-12 | 18.46 | 19.23 | 02.43 | 03.20 | V1106 Her - II      | mar 18.22 | 343 | 73  | mar 19.22 | 30  | 72  | mar 20.22 | 59  | 64  | 158       |
|              |       |       |       |       | G1518.0913 Her - II | mar 18.27 | 51  | 62  | mar 19.27 | 69  | 52  | mar 20.27 | 82  | 41  | -42       |
|              |       |       |       |       | V473 And - I        | mar 18.31 | 235 | 24  | mar 19.31 | 241 | 34  | mar 20.31 | 248 | 44  | 277       |
|              |       |       |       |       | AK Ser - I          | mar 18.41 | 9   | 34  | mar 19.41 | 26  | 30  | mar 20.41 | 41  | 24  | 162       |
|              |       |       |       |       | G3881.0579 Dra - II | mar 20.03 | 133 | 57  | mar 21.03 | 133 | 49  | mar 22.03 | 135 | 41  | -72       |
|              |       |       |       |       | V1106 Her - I       | mar 21.26 | 77  | 53  | mar 22.26 | 89  | 42  | mar 23.26 | 98  | 31  | 158       |
|              |       |       |       |       | V1187 Cyg - I       | mar 22.19 | 98  | 73  | mar 23.19 | 103 | 62  | mer 00.19 | 109 | 51  | 253       |
|              |       |       |       |       | V1072 Her - I       | mar 22.48 | 123 | 46  | mar 23.48 | 128 | 36  | mer 00.48 | 133 | 28  | 59        |
|              |       |       |       |       | V473 And - II       | mar 23.20 | 263 | 74  | mer 00.20 | 270 | 85  | mer 01.20 | 92  | 83  | 278       |
|              |       |       |       |       | G3881.0579 Dra - I  | mer 00.00 | 144 | 27  | mer 01.00 | 150 | 21  | mer 02.00 | 157 | 15  | -72       |
|              |       |       |       |       | V423 Tau - II       | mer 00.48 | 186 | 81  | mer 01.48 | 139 | 77  | mer 02.48 | 125 | 68  | 213       |
| mer 29-08-12 | 18.44 | 19.21 | 02.45 | 03.21 | AK Ser - II         | mer 17.45 | 354 | 34  | mer 18.45 | 12  | 33  | mer 19.45 | 28  | 30  | 154       |
|              |       |       |       |       | V473 And - II       | mer 18.36 | 236 | 26  | mer 19.36 | 242 | 35  | mer 20.36 | 249 | 45  | 282       |
|              |       |       |       |       | V1106 Her - II      | mer 18.49 | 8   | 74  | mer 19.49 | 47  | 68  | mer 20.49 | 69  | 59  | 153       |
|              |       |       |       |       | V556 Lyr - I        | mer 19.45 | 348 | 84  | mer 20.45 | 65  | 78  | mer 21.45 | 84  | 67  | 227       |
|              |       |       |       |       | G3881.0579 Dra - II | mer 19.46 | 133 | 59  | mer 20.46 | 133 | 51  | mer 21.46 | 135 | 43  | -74       |
|              |       |       |       |       | V1072 Her - II      | mer 19.59 | 123 | 72  | mer 20.59 | 119 | 62  | mer 21.59 | 121 | 53  | 57        |
|              |       |       |       |       | V691 Her - I        | mer 20.18 | 78  | 39  | mer 21.18 | 89  | 28  | mer 22.18 | 99  | 17  | -53       |
|              |       |       |       |       | V1106 Her - I       | mer 21.52 | 83  | 47  | mer 22.52 | 94  | 36  | mer 23.52 | 103 | 25  | 153       |
|              |       |       |       |       | BW Peg - I          | mer 22.44 | 26  | 68  | mer 23.44 | 54  | 61  | gio 00.44 | 71  | 51  | 420       |
|              |       |       |       |       | DT Cam - I          | mer 22.49 | 218 | 28  | mer 23.49 | 222 | 35  | gio 00.49 | 226 | 43  | -112      |
|              |       |       |       |       | V473 And - I        | mer 23.25 | 264 | 76  | gio 00.25 | 271 | 87  | gio 01.25 | 93  | 82  | 283       |
|              |       |       |       |       | G3881.0579 Dra - I  | mer 23.43 | 143 | 28  | gio 00.43 | 148 | 22  | gio 01.43 | 155 | 16  | -74       |
|              |       |       |       |       | QQ Lyr - I          | gio 00.14 | 102 | 37  | gio 01.14 | 110 | 26  | gio 02.14 | 119 | 16  | 239       |
|              |       |       |       |       | V423 Tau - I        | gio 01.21 | 233 | 40  | gio 02.21 | 236 | 49  | gio 03.21 | 238 | 59  | -164      |
|              |       |       |       |       | VV Eri - II         | gio 01.34 | 308 | 47  | gio 02.34 | 328 | 55  | gio 03.34 | 354 | 58  | 142       |
| gio 30-08-12 | 18.42 | 19.18 | 02.46 | 03.22 | BW Peg - II         | gio 17.44 | 270 | 33  | gio 18.44 | 281 | 44  | gio 19.44 | 295 | 55  | 420       |
|              |       |       |       |       | V473 And - I        | gio 18.41 | 237 | 27  | gio 19.41 | 243 | 37  | gio 20.41 | 249 | 47  | 287       |
|              |       |       |       |       | V1106 Her - II      | gio 19.15 | 30  | 72  | gio 20.15 | 60  | 64  | gio 21.15 | 77  | 53  | 148       |
|              |       |       |       |       | G3881.0579 Dra - II | gio 19.29 | 134 | 61  | gio 20.29 | 132 | 53  | gio 21.29 | 134 | 44  | -76       |
|              |       |       |       |       | G1518.0913 Her - I  | gio 20.34 | 85  | 39  | gio 21.34 | 95  | 28  | gio 22.34 | 105 | 17  | -55       |
|              |       |       |       |       | QQ Lyr - II         | gio 21.12 | 67  | 70  | gio 22.12 | 83  | 59  | gio 23.12 | 94  | 48  | 236       |
|              |       |       |       |       | V1106 Her - I       | gio 22.19 | 89  | 42  | gio 23.19 | 99  | 31  | ven 00.19 | 107 | 20  | 148       |
|              |       |       |       |       | G3881.0579 Dra - I  | gio 23.26 | 142 | 30  | ven 00.26 | 147 | 23  | ven 01.26 | 154 | 18  | -76       |
|              |       |       |       |       | V473 And - II       | gio 23.30 | 265 | 78  | ven 00.30 | 276 | 89  | ven 01.30 | 94  | 80  | 288       |
|              |       |       |       |       | V1072 Her - II      | ven 00.12 | 130 | 32  | ven 01.12 | 136 | 24  | ven 02.12 | 143 | 16  | 54        |
|              |       |       |       |       | V423 Tau - II       | ven 01.54 | 134 | 75  | ven 02.54 | 123 | 66  | ven 03.54 | 122 | 57  | 223       |
| ven 31-08-12 | 18.40 | 19.16 | 02.47 | 03.23 | QQ Lyr - I          | ven 18.09 | 293 | 69  | ven 19.09 | 328 | 78  | ven 20.09 | 33  | 78  | 234       |
|              |       |       |       |       | V423 Tau - II       | ven 18.16 | 225 | 28  | ven 19.16 | 230 | 36  | ven 20.16 | 235 | 45  | 226       |
|              |       |       |       |       | V473 And - II       | ven 18.46 | 238 | 28  | ven 19.46 | 244 | 38  | ven 20.46 | 250 | 48  | 292       |
|              |       |       |       |       | G3881.0579 Dra - II | ven 19.11 | 135 | 63  | ven 20.11 | 133 | 54  | ven 21.11 | 133 | 46  | -77       |
|              |       |       |       |       | G1518.0913 Her - I  | ven 19.41 | 76  | 48  | ven 20.41 | 87  | 37  | ven 21.41 | 97  | 25  | -61       |
|              |       |       |       |       | V1106 Her - II      | ven 19.42 | 47  | 68  | ven 20.42 | 69  | 59  | ven 21.42 | 83  | 48  | 143       |
|              |       |       |       |       | V1072 Her - I       | ven 21.22 | 120 | 57  | ven 22.22 | 122 | 48  | ven 23.22 | 126 | 39  | 52        |
|              |       |       |       |       | V1187 Cyg - I       | ven 22.39 | 101 | 67  | ven 23.39 | 106 | 56  | sab 00.39 | 112 | 45  | 250       |
|              |       |       |       |       | V1106 Her - I       | ven 22.45 | 94  | 36  | ven 23.45 | 103 | 25  | sab 00.45 | 112 | 14  | 142       |
|              |       |       |       |       | G3881.0579 Dra - I  | ven 23.09 | 140 | 31  | sab 00.09 | 146 | 24  | sab 01.09 | 152 | 19  | -77       |
|              |       |       |       |       | V473 And - I        | ven 23.35 | 266 | 79  | sab 00.35 | 68  | 90  | sab 01.35 | 95  | 78  | 293       |
|              |       |       |       |       | EZ Lac - I          | sab 01.02 | 124 | 67  | sab 02.02 | 122 | 58  | sab 03.02 | 124 | 48  | 258       |
| sab 01-09-12 | 18.39 | 19.14 | 02.49 | 03.25 | V1072 Her - II      | sab 18.32 | 158 | 82  | sab 19.32 | 126 | 74  | sab 20.32 | 120 | 65  | 50        |

| Day          | Sun   | Sun   | Sun   | Sun   | Star Name           | 1h before |     |     | Time of          |            |           | 1h after  |     |     | Heliocorr |
|--------------|-------|-------|-------|-------|---------------------|-----------|-----|-----|------------------|------------|-----------|-----------|-----|-----|-----------|
|              | -12°  | -18°  | -18°  | -12°  |                     | Min.      | Azi | Alt | minimum          | Azi        | Alt       | Min.      | Azi | Alt |           |
|              |       |       |       |       | V691 Her - I        | sab 18.45 | 59  | 53  | <b>sab 19.45</b> | <b>74</b>  | <b>43</b> | sab 20.45 | 85  | 32  | -73       |
|              |       |       |       |       | G1518.0913 Her - I  | sab 18.49 | 63  | 56  | <b>sab 19.49</b> | <b>78</b>  | <b>46</b> | sab 20.49 | 89  | 34  | -67       |
|              |       |       |       |       | V473 And - I        | sab 18.51 | 239 | 30  | <b>sab 19.51</b> | <b>245</b> | <b>40</b> | sab 20.51 | 251 | 50  | 296       |
|              |       |       |       |       | G3881.0579 Dra - II | sab 18.54 | 136 | 64  | <b>sab 19.54</b> | <b>133</b> | <b>56</b> | sab 20.54 | 133 | 48  | -79       |
|              |       |       |       |       | V556 Lyr - I        | sab 19.16 | 322 | 83  | <b>sab 20.16</b> | <b>53</b>  | <b>81</b> | sab 21.16 | 80  | 70  | 218       |
|              |       |       |       |       | V1106 Her - II      | sab 20.08 | 60  | 64  | <b>sab 21.08</b> | <b>77</b>  | <b>53</b> | sab 22.08 | 89  | 42  | 138       |
|              |       |       |       |       | G3881.0579 Dra - I  | sab 22.51 | 139 | 33  | <b>sab 23.51</b> | <b>144</b> | <b>26</b> | dom 00.51 | 151 | 20  | -79       |
|              |       |       |       |       | V473 And - II       | sab 23.40 | 267 | 81  | <b>dom 00.40</b> | <b>87</b>  | <b>88</b> | dom 01.40 | 95  | 77  | 297       |
| dom 02-09-12 | 18.37 | 19.12 | 02.50 | 03.26 | G1518.0913 Her - I  | dom 17.57 | 46  | 63  | <b>dom 18.57</b> | <b>67</b>  | <b>54</b> | dom 19.57 | 80  | 43  | -73       |
|              |       |       |       |       | G3881.0579 Dra - II | dom 18.37 | 138 | 66  | <b>dom 19.37</b> | <b>133</b> | <b>58</b> | dom 20.37 | 133 | 50  | -80       |
|              |       |       |       |       | V473 And - II       | dom 18.56 | 240 | 31  | <b>dom 19.56</b> | <b>246</b> | <b>41</b> | dom 20.56 | 252 | 52  | 301       |
|              |       |       |       |       | V423 Tau - II       | dom 19.21 | 231 | 38  | <b>dom 20.21</b> | <b>235</b> | <b>47</b> | dom 21.21 | 238 | 56  | 236       |
|              |       |       |       |       | FU Lac - I          | dom 20.06 | 255 | 67  | <b>dom 21.06</b> | <b>256</b> | <b>78</b> | dom 22.06 | 202 | 88  | 306       |
|              |       |       |       |       | V1106 Her - II      | dom 20.35 | 70  | 59  | <b>dom 21.35</b> | <b>83</b>  | <b>48</b> | dom 22.35 | 94  | 37  | 133       |
|              |       |       |       |       | BW Peg - II         | dom 21.46 | 359 | 69  | <b>dom 22.46</b> | <b>35</b>  | <b>66</b> | dom 23.46 | 60  | 58  | 418       |
|              |       |       |       |       | G3881.0579 Dra - I  | dom 22.34 | 138 | 34  | <b>dom 23.34</b> | <b>143</b> | <b>27</b> | lun 00.34 | 149 | 21  | -81       |
|              |       |       |       |       | V1072 Her - II      | dom 22.46 | 124 | 43  | <b>dom 23.46</b> | <b>129</b> | <b>34</b> | lun 00.46 | 135 | 26  | 47        |
|              |       |       |       |       | VV Eri - I          | dom 23.01 | 278 | 24  | <b>lun 00.01</b> | <b>289</b> | <b>34</b> | lun 01.01 | 303 | 44  | 173       |
|              |       |       |       |       | V473 And - I        | dom 23.45 | 268 | 82  | <b>lun 00.45</b> | <b>89</b>  | <b>86</b> | lun 01.45 | 96  | 75  | 302       |
| lun 03-09-12 | 18.35 | 19.10 | 02.52 | 03.27 | V1106 Her - I       | lun 17.58 | 343 | 73  | <b>lun 18.58</b> | <b>29</b>  | <b>72</b> | lun 19.58 | 59  | 64  | 128       |
|              |       |       |       |       | G3881.0579 Dra - II | lun 18.20 | 140 | 68  | <b>lun 19.20</b> | <b>134</b> | <b>60</b> | lun 20.20 | 133 | 52  | -82       |
|              |       |       |       |       | V473 And - I        | lun 19.01 | 241 | 33  | <b>lun 20.01</b> | <b>247</b> | <b>43</b> | lun 21.01 | 253 | 53  | 306       |
|              |       |       |       |       | V1072 Her - I       | lun 19.56 | 121 | 69  | <b>lun 20.56</b> | <b>119</b> | <b>60</b> | lun 21.56 | 121 | 50  | 45        |
|              |       |       |       |       | EZ Lac - I          | lun 20.01 | 238 | 60  | <b>lun 21.01</b> | <b>235</b> | <b>70</b> | lun 22.01 | 218 | 78  | 265       |
|              |       |       |       |       | V691 Her - II       | lun 20.04 | 79  | 38  | <b>lun 21.04</b> | <b>90</b>  | <b>27</b> | lun 22.04 | 100 | 16  | -86       |
|              |       |       |       |       | G1518.0913 Her - II | lun 20.55 | 92  | 32  | <b>lun 21.55</b> | <b>101</b> | <b>21</b> | lun 22.55 | 110 | 10  | -80       |
|              |       |       |       |       | V1106 Her - II      | lun 21.01 | 77  | 53  | <b>lun 22.01</b> | <b>89</b>  | <b>42</b> | lun 23.01 | 98  | 31  | 128       |
|              |       |       |       |       | G3881.0579 Dra - I  | lun 22.17 | 137 | 36  | <b>lun 23.17</b> | <b>142</b> | <b>29</b> | mar 00.17 | 148 | 22  | -82       |
|              |       |       |       |       | V1187 Cyg - I       | lun 22.59 | 103 | 61  | <b>lun 23.59</b> | <b>109</b> | <b>50</b> | mar 00.59 | 115 | 40  | 246       |
|              |       |       |       |       | FU Lac - II         | lun 23.34 | 104 | 74  | <b>mar 00.34</b> | <b>107</b> | <b>63</b> | mar 01.34 | 111 | 52  | 307       |
|              |       |       |       |       | V473 And - II       | lun 23.50 | 269 | 84  | <b>mar 00.50</b> | <b>91</b>  | <b>85</b> | mar 01.50 | 97  | 74  | 306       |
| mar 04-09-12 | 18.33 | 19.08 | 02.53 | 03.28 | G3881.0579 Dra - II | mar 18.02 | 143 | 69  | <b>mar 19.02</b> | <b>135</b> | <b>62</b> | mar 20.02 | 132 | 54  | -84       |
|              |       |       |       |       | V1106 Her - I       | mar 18.24 | 7   | 74  | <b>mar 19.24</b> | <b>47</b>  | <b>69</b> | mar 20.24 | 69  | 59  | 123       |
|              |       |       |       |       | V556 Lyr - I        | mar 18.48 | 305 | 80  | <b>mar 19.48</b> | <b>35</b>  | <b>83</b> | mar 20.48 | 76  | 73  | 210       |
|              |       |       |       |       | V473 And - II       | mar 19.06 | 242 | 34  | <b>mar 20.06</b> | <b>248</b> | <b>44</b> | mar 21.06 | 254 | 55  | 310       |
|              |       |       |       |       | G1518.0913 Her - II | mar 20.03 | 83  | 41  | <b>mar 21.03</b> | <b>93</b>  | <b>30</b> | mar 22.03 | 103 | 19  | -86       |
|              |       |       |       |       | V423 Tau - II       | mar 20.27 | 236 | 49  | <b>mar 21.27</b> | <b>238</b> | <b>58</b> | mar 22.27 | 236 | 68  | 245       |
|              |       |       |       |       | V1106 Her - II      | mar 21.28 | 83  | 48  | <b>mar 22.28</b> | <b>94</b>  | <b>36</b> | mar 23.28 | 103 | 25  | 122       |
|              |       |       |       |       | G3881.0579 Dra - I  | mar 21.59 | 137 | 38  | <b>mar 22.59</b> | <b>141</b> | <b>30</b> | mar 23.59 | 146 | 24  | -84       |
|              |       |       |       |       | V473 And - I        | mar 23.55 | 270 | 86  | <b>mer 00.55</b> | <b>92</b>  | <b>83</b> | mer 01.55 | 98  | 72  | 311       |
|              |       |       |       |       | V1072 Her - I       | mer 00.09 | 132 | 29  | <b>mer 01.09</b> | <b>138</b> | <b>22</b> | mer 02.09 | 146 | 15  | 42        |
| mer 05-09-12 | 18.31 | 19.06 | 02.54 | 03.29 | G3881.0579 Dra - II | mer 17.45 | 146 | 71  | <b>mer 18.45</b> | <b>136</b> | <b>63</b> | mer 19.45 | 133 | 55  | -85       |
|              |       |       |       |       | V1106 Her - I       | mer 18.51 | 30  | 72  | <b>mer 19.51</b> | <b>59</b>  | <b>64</b> | mer 20.51 | 77  | 54  | 118       |
|              |       |       |       |       | G1518.0913 Her - II | mer 19.11 | 73  | 50  | <b>mer 20.11</b> | <b>85</b>  | <b>39</b> | mer 21.11 | 95  | 27  | -91       |
|              |       |       |       |       | V473 And - I        | mer 19.11 | 243 | 36  | <b>mer 20.11</b> | <b>249</b> | <b>46</b> | mer 21.11 | 254 | 56  | 314       |
|              |       |       |       |       | V1072 Her - II      | mer 21.19 | 120 | 55  | <b>mer 22.19</b> | <b>123</b> | <b>45</b> | mer 23.19 | 128 | 36  | 40        |
|              |       |       |       |       | G3881.0579 Dra - I  | mer 21.42 | 136 | 40  | <b>mer 22.42</b> | <b>140</b> | <b>32</b> | mer 23.42 | 145 | 25  | -85       |
|              |       |       |       |       | V1106 Her - II      | mer 21.54 | 89  | 42  | <b>mer 22.54</b> | <b>98</b>  | <b>31</b> | mer 23.54 | 107 | 20  | 117       |
|              |       |       |       |       | QQ Lyr - I          | mer 23.55 | 103 | 35  | <b>gio 00.55</b> | <b>111</b> | <b>25</b> | gio 01.55 | 120 | 15  | 215       |
|              |       |       |       |       | V473 And - II       | gio 00.00 | 272 | 87  | <b>gio 01.00</b> | <b>93</b>  | <b>81</b> | gio 02.00 | 99  | 70  | 315       |
|              |       |       |       |       | DT Cam - II         | gio 00.24 | 226 | 43  | <b>gio 01.24</b> | <b>228</b> | <b>51</b> | gio 02.24 | 227 | 60  | -62       |
|              |       |       |       |       | VV Eri - I          | gio 01.47 | 321 | 52  | <b>gio 02.47</b> | <b>345</b> | <b>58</b> | gio 03.47 | 13  | 58  | 197       |
|              |       |       |       |       | BW Peg - II         | gio 01.48 | 89  | 34  | <b>gio 02.48</b> | <b>99</b>  | <b>23</b> | gio 03.48 | 108 | 12  | 415       |
| gio 06-09-12 | 18.29 | 19.04 | 02.56 | 03.31 | G1518.0913 Her - II | gio 18.18 | 60  | 58  | <b>gio 19.18</b> | <b>76</b>  | <b>48</b> | gio 20.18 | 87  | 36  | -97       |
|              |       |       |       |       | V1072 Her - I       | gio 18.30 | 144 | 80  | <b>gio 19.30</b> | <b>123</b> | <b>72</b> | gio 20.30 | 119 | 62  | 38        |
|              |       |       |       |       | V691 Her - II       | gio 18.32 | 60  | 52  | <b>gio 19.32</b> | <b>75</b>  | <b>42</b> | gio 20.32 | 86  | 30  | -105      |
|              |       |       |       |       | V473 And - II       | gio 19.16 | 244 | 37  | <b>gio 20.16</b> | <b>250</b> | <b>47</b> | gio 21.16 | 255 | 58  | 318       |
|              |       |       |       |       | V1106 Her - I       | gio 19.17 | 47  | 68  | <b>gio 20.17</b> | <b>69</b>  | <b>59</b> | gio 21.17 | 83  | 48  | 112       |
|              |       |       |       |       | BW Peg - I          | gio 20.48 | 332 | 67  | <b>gio 21.48</b> | <b>11</b>  | <b>69</b> | gio 22.48 | 44  | 64  | 414       |
|              |       |       |       |       | QQ Lyr - II         | gio 20.53 | 70  | 68  | <b>gio 21.53</b> | <b>85</b>  | <b>57</b> | gio 22.53 | 95  | 46  | 212       |
|              |       |       |       |       | G3881.0579 Dra - I  | gio 21.25 | 135 | 41  | <b>gio 22.25</b> | <b>139</b> | <b>34</b> | gio 23.25 | 144 | 27  | -87       |
|              |       |       |       |       | V423 Tau - II       | gio 21.33 | 238 | 60  | <b>gio 22.33</b> | <b>234</b> | <b>70</b> | gio 23.33 | 217 | 78  | 254       |
|              |       |       |       |       | V1106 Her - II      | gio 22.21 | 94  | 36  | <b>gio 23.21</b> | <b>103</b> | <b>25</b> | ven 00.21 | 112 | 15  | 112       |
|              |       |       |       |       | V1187 Cyg - I       | gio 23.20 | 106 | 55  | <b>ven 00.20</b> | <b>112</b> | <b>45</b> | ven 01.20 | 118 | 35  | 242       |
|              |       |       |       |       | V473 And - I        | ven 00.04 | 278 | 89  | <b>ven 01.04</b> | <b>94</b>  | <b>80</b> | ven 02.04 | 99  | 69  | 319       |
|              |       |       |       |       | V556 Lyr - II       | ven 00.26 | 112 | 32  | <b>ven 01.26</b> | <b>119</b> | <b>22</b> | ven 02.26 | 128 | 13  | 203       |
| ven 07-09-12 | 18.27 | 19.02 | 02.57 | 03.32 | QQ Lyr - I          | ven 17.51 | 296 | 71  | <b>ven 18.51</b> | <b>336</b> | <b>79</b> | ven 19.51 | 40  | 77  | 209       |

| Day          | Sun   | Sun   | Sun   | Sun   | Star Name          | 1h before |     |     | Time of   |     |     | 1h after  |     |     | Helio<br>Corr |
|--------------|-------|-------|-------|-------|--------------------|-----------|-----|-----|-----------|-----|-----|-----------|-----|-----|---------------|
|              | -12°  | -18°  | -18°  | -12°  |                    | Min.      | Azi | Alt | minimum   | Azi | Alt | Min.      | Azi | Alt |               |
|              |       |       |       |       | V556 Lyr - I       | ven 18.19 | 294 | 78  | ven 19.19 | 7   | 84  | ven 20.19 | 69  | 76  | 200           |
|              |       |       |       |       | V473 And - I       | ven 19.20 | 244 | 38  | ven 20.20 | 250 | 49  | ven 21.20 | 256 | 59  | 323           |
|              |       |       |       |       | V1106 Her - I      | ven 19.44 | 60  | 64  | ven 20.44 | 77  | 53  | ven 21.44 | 88  | 42  | 107           |
|              |       |       |       |       | G3881.0579 Dra - I | ven 21.08 | 134 | 43  | ven 22.08 | 138 | 35  | ven 23.08 | 143 | 28  | -88           |
|              |       |       |       |       | V423 Tau - I       | ven 22.06 | 217 | 19  | ven 23.06 | 224 | 26  | sab 00.06 | 229 | 35  | -100          |
|              |       |       |       |       | V1072 Her - I      | ven 22.43 | 125 | 40  | ven 23.43 | 131 | 31  | sab 00.43 | 137 | 23  | 35            |
|              |       |       |       |       | V473 And - II      | sab 00.09 | 79  | 89  | sab 01.09 | 95  | 78  | sab 02.09 | 100 | 67  | 323           |
|              |       |       |       |       | CQ Ori - I         | sab 00.25 | 261 | 11  | sab 01.25 | 271 | 23  | sab 02.25 | 282 | 34  | -170          |
|              |       |       |       |       | EZ Lac - II        | sab 00.29 | 124 | 68  | sab 01.29 | 122 | 59  | sab 02.29 | 124 | 49  | 275           |
| sab 08-09-12 | 18.26 | 19.00 | 02.58 | 03.33 | V473 And - II      | sab 19.25 | 245 | 40  | sab 20.25 | 251 | 50  | sab 21.25 | 257 | 61  | 327           |
|              |       |       |       |       | V691 Her - I       | sab 19.51 | 80  | 37  | sab 20.51 | 91  | 25  | sab 21.51 | 101 | 14  | -118          |
|              |       |       |       |       | V1072 Her - II     | sab 19.53 | 120 | 67  | sab 20.53 | 120 | 57  | sab 21.53 | 122 | 47  | 33            |
|              |       |       |       |       | V1106 Her - I      | sab 20.10 | 69  | 59  | sab 21.10 | 83  | 48  | sab 22.10 | 93  | 37  | 102           |
|              |       |       |       |       | G1518.0913 Her - I | sab 20.25 | 90  | 34  | sab 21.25 | 99  | 23  | sab 22.25 | 109 | 12  | -110          |
|              |       |       |       |       | G3881.0579 Dra - I | sab 20.50 | 134 | 45  | sab 21.50 | 137 | 37  | sab 22.50 | 141 | 30  | -90           |
|              |       |       |       |       | V423 Tau - II      | sab 22.38 | 232 | 72  | sab 23.38 | 209 | 79  | dom 00.38 | 154 | 80  | 263           |
|              |       |       |       |       | V473 And - I       | dom 00.14 | 88  | 88  | dom 01.14 | 96  | 77  | dom 02.14 | 101 | 65  | 327           |
| dom 09-09-12 | 18.24 | 18.58 | 02.59 | 03.34 | V1106 Her - II     | dom 17.34 | 342 | 73  | dom 18.34 | 28  | 72  | dom 19.34 | 59  | 64  | 97            |
|              |       |       |       |       | V473 And - I       | dom 19.30 | 246 | 41  | dom 20.30 | 252 | 52  | dom 21.30 | 258 | 63  | 331           |
|              |       |       |       |       | G1518.0913 Her - I | dom 19.32 | 81  | 43  | dom 20.32 | 92  | 32  | dom 21.32 | 101 | 21  | -116          |
|              |       |       |       |       | G3881.0579 Dra - I | dom 20.33 | 133 | 47  | dom 21.33 | 136 | 39  | dom 22.33 | 140 | 31  | -91           |
|              |       |       |       |       | V1106 Her - I      | dom 20.37 | 77  | 53  | dom 21.37 | 89  | 42  | dom 22.37 | 98  | 31  | 96            |
|              |       |       |       |       | V423 Tau - I       | dom 23.11 | 225 | 28  | lun 00.11 | 231 | 36  | lun 01.11 | 235 | 45  | -85           |
|              |       |       |       |       | VV Eri - II        | dom 23.14 | 285 | 31  | lun 00.14 | 298 | 41  | lun 01.14 | 315 | 50  | 226           |
|              |       |       |       |       | V1187 Cyg - I      | dom 23.40 | 109 | 50  | lun 00.40 | 115 | 39  | lun 01.40 | 122 | 29  | 237           |
|              |       |       |       |       | V556 Lyr - II      | dom 23.58 | 110 | 35  | lun 00.58 | 117 | 25  | lun 01.58 | 125 | 15  | 193           |
|              |       |       |       |       | V473 And - II      | lun 00.19 | 90  | 86  | lun 01.19 | 96  | 75  | lun 02.19 | 102 | 64  | 331           |
|              |       |       |       |       | BW Peg - I         | lun 00.50 | 82  | 42  | lun 01.50 | 92  | 31  | lun 02.50 | 102 | 20  | 409           |
| lun 10-09-12 | 18.22 | 18.56 | 03.01 | 03.35 | V1187 Cyg - II     | lun 17.45 | 259 | 66  | lun 18.45 | 264 | 77  | lun 19.45 | 270 | 88  | 236           |
|              |       |       |       |       | V556 Lyr - I       | lun 17.51 | 287 | 75  | lun 18.51 | 336 | 83  | lun 19.51 | 61  | 79  | 191           |
|              |       |       |       |       | V1106 Her - II     | lun 18.00 | 6   | 74  | lun 19.00 | 46  | 69  | lun 20.00 | 69  | 59  | 91            |
|              |       |       |       |       | G1518.0913 Her - I | lun 18.40 | 70  | 52  | lun 19.40 | 83  | 41  | lun 20.40 | 93  | 29  | -121          |
|              |       |       |       |       | EZ Lac - II        | lun 19.28 | 238 | 59  | lun 20.28 | 235 | 69  | lun 21.28 | 221 | 77  | 281           |
|              |       |       |       |       | V473 And - II      | lun 19.35 | 247 | 43  | lun 20.35 | 253 | 53  | lun 21.35 | 258 | 64  | 334           |
|              |       |       |       |       | BW Peg - II        | lun 19.50 | 312 | 63  | lun 20.50 | 343 | 69  | lun 21.50 | 22  | 68  | 408           |
|              |       |       |       |       | G3881.0579 Dra - I | lun 20.16 | 133 | 48  | lun 21.16 | 135 | 40  | lun 22.16 | 139 | 33  | -93           |
|              |       |       |       |       | FU Lac - II        | lun 20.23 | 256 | 76  | lun 21.23 | 236 | 87  | lun 22.23 | 107 | 82  | 313           |
|              |       |       |       |       | V1106 Her - I      | lun 21.03 | 83  | 48  | lun 22.03 | 94  | 37  | lun 23.03 | 103 | 26  | 91            |
|              |       |       |       |       | V1072 Her - I      | lun 21.17 | 121 | 52  | lun 22.17 | 124 | 42  | lun 23.17 | 129 | 34  | 28            |
|              |       |       |       |       | V423 Tau - II      | lun 23.44 | 198 | 80  | mar 00.44 | 145 | 79  | mar 01.44 | 126 | 70  | 272           |
|              |       |       |       |       | V473 And - I       | mar 00.24 | 91  | 84  | mar 01.24 | 97  | 73  | mar 02.24 | 103 | 62  | 335           |
| mar 11-09-12 | 18.20 | 18.54 | 03.02 | 03.36 | G1518.0913 Her - I | mar 17.47 | 56  | 60  | mar 18.47 | 73  | 49  | mar 19.47 | 85  | 39  | -127          |
|              |       |       |       |       | V691 Her - I       | mar 18.19 | 62  | 51  | mar 19.19 | 76  | 40  | mar 20.19 | 88  | 29  | -137          |
|              |       |       |       |       | V1106 Her - II     | mar 18.27 | 29  | 72  | mar 19.27 | 59  | 64  | mar 20.27 | 76  | 54  | 86            |
|              |       |       |       |       | V1072 Her - II     | mar 18.27 | 134 | 78  | mar 19.27 | 121 | 69  | mar 20.27 | 119 | 59  | 26            |
|              |       |       |       |       | V473 And - I       | mar 19.40 | 248 | 44  | mar 20.40 | 254 | 55  | mar 21.40 | 259 | 66  | 338           |
|              |       |       |       |       | G3881.0579 Dra - I | mar 19.58 | 133 | 50  | mar 20.58 | 135 | 42  | mar 21.58 | 138 | 34  | -94           |
|              |       |       |       |       | V1106 Her - I      | mar 21.30 | 89  | 42  | mar 22.30 | 98  | 31  | mar 23.30 | 107 | 20  | 85            |
|              |       |       |       |       | FU Lac - I         | mar 23.51 | 106 | 65  | mer 00.51 | 110 | 54  | mer 01.51 | 115 | 44  | 314           |
|              |       |       |       |       | V423 Tau - I       | mer 00.17 | 232 | 38  | mer 01.17 | 236 | 47  | mer 02.17 | 238 | 57  | -70           |
|              |       |       |       |       | V473 And - II      | mer 00.29 | 92  | 83  | mer 01.29 | 98  | 72  | mer 02.29 | 103 | 61  | 339           |
| mer 12-09-12 | 18.18 | 18.52 | 03.03 | 03.38 | V1106 Her - II     | mer 18.53 | 47  | 69  | mer 19.53 | 69  | 59  | mer 20.53 | 83  | 48  | 80            |
|              |       |       |       |       | G3881.0579 Dra - I | mer 19.41 | 133 | 52  | mer 20.41 | 134 | 44  | mer 21.41 | 137 | 36  | -96           |
|              |       |       |       |       | V473 And - II      | mer 19.45 | 249 | 46  | mer 20.45 | 255 | 57  | mer 21.45 | 260 | 68  | 342           |
|              |       |       |       |       | V1106 Her - I      | mer 21.56 | 94  | 36  | mer 22.56 | 103 | 25  | mer 23.56 | 112 | 15  | 80            |
|              |       |       |       |       | V1072 Her - II     | mer 22.40 | 127 | 38  | mer 23.40 | 132 | 29  | gio 00.40 | 139 | 21  | 23            |
|              |       |       |       |       | V556 Lyr - II      | mer 23.29 | 108 | 38  | gio 00.29 | 115 | 27  | gio 01.29 | 123 | 18  | 183           |
|              |       |       |       |       | QQ Lyr - I         | mer 23.36 | 105 | 34  | gio 00.36 | 113 | 23  | gio 01.36 | 121 | 13  | 189           |
|              |       |       |       |       | V1187 Cyg - I      | gio 00.00 | 112 | 44  | gio 01.00 | 119 | 34  | gio 02.00 | 125 | 25  | 231           |
|              |       |       |       |       | V473 And - I       | gio 00.34 | 93  | 81  | gio 01.34 | 99  | 70  | gio 02.34 | 104 | 59  | 343           |
|              |       |       |       |       | V423 Tau - II      | gio 00.50 | 138 | 77  | gio 01.50 | 125 | 68  | gio 02.50 | 122 | 59  | 280           |
|              |       |       |       |       | DT Cam - I         | gio 02.00 | 227 | 60  | gio 03.00 | 220 | 68  | gio 04.00 | 202 | 74  | -12           |
|              |       |       |       |       | VV Eri - II        | gio 02.00 | 337 | 56  | gio 03.00 | 4   | 58  | gio 04.00 | 31  | 55  | 249           |
| gio 13-09-12 | 18.16 | 18.50 | 03.05 | 03.39 | V556 Lyr - I       | gio 17.22 | 282 | 72  | gio 18.22 | 314 | 82  | gio 19.22 | 47  | 82  | 180           |
|              |       |       |       |       | V1187 Cyg - II     | gio 18.05 | 262 | 72  | gio 19.05 | 267 | 83  | gio 20.05 | 91  | 86  | 230           |
|              |       |       |       |       | V1106 Her - II     | gio 19.20 | 59  | 64  | gio 20.20 | 77  | 54  | gio 21.20 | 88  | 43  | 75            |
|              |       |       |       |       | G3881.0579 Dra - I | gio 19.24 | 133 | 54  | gio 20.24 | 134 | 46  | gio 21.24 | 137 | 38  | -97           |

| Day          | Sun   | Sun   | Sun   | Sun   | Star Name           | 1h before |     |     | Time of          |            |           | 1h after  |     |     | Helio<br>Corr |
|--------------|-------|-------|-------|-------|---------------------|-----------|-----|-----|------------------|------------|-----------|-----------|-----|-----|---------------|
|              | -12°  | -18°  | -18°  | -12°  |                     | Min.      | Azi | Alt | minimum          | Azi        | Alt       | Min.      | Azi | Alt |               |
|              |       |       |       |       | V691 Her - II       | gio 19.38 | 82  | 35  | <b>gio 20.38</b> | <b>92</b>  | <b>24</b> | gio 21.38 | 102 | 13  | -149          |
|              |       |       |       |       | V473 And - I        | gio 19.50 | 250 | 48  | <b>gio 20.50</b> | <b>255</b> | <b>58</b> | gio 21.50 | 261 | 69  | 345           |
|              |       |       |       |       | V1072 Her - I       | gio 19.51 | 119 | 64  | <b>gio 20.51</b> | <b>120</b> | <b>54</b> | gio 21.51 | 123 | 45  | 21            |
|              |       |       |       |       | G1518.0913 Her - II | gio 19.54 | 88  | 36  | <b>gio 20.54</b> | <b>98</b>  | <b>25</b> | gio 21.54 | 107 | 14  | -139          |
|              |       |       |       |       | QQ Lyr - II         | gio 20.34 | 73  | 67  | <b>gio 21.34</b> | <b>87</b>  | <b>56</b> | gio 22.34 | 96  | 44  | 185           |
|              |       |       |       |       | BW Peg - II         | gio 23.52 | 73  | 49  | <b>ven 01.52</b> | <b>85</b>  | <b>38</b> | ven 01.52 | 95  | 27  | 402           |
|              |       |       |       |       | V473 And - II       | ven 00.39 | 94  | 79  | <b>ven 01.39</b> | <b>100</b> | <b>68</b> | ven 02.39 | 105 | 57  | 346           |
|              |       |       |       |       | V423 Tau - I        | ven 01.23 | 236 | 50  | <b>ven 02.23</b> | <b>238</b> | <b>59</b> | ven 03.23 | 236 | 68  | -55           |
| ven 14-09-12 | 18.14 | 18.48 | 03.06 | 03.40 | QQ Lyr - I          | ven 17.32 | 300 | 72  | <b>ven 18.32</b> | <b>345</b> | <b>79</b> | ven 19.32 | 47  | 76  | 181           |
|              |       |       |       |       | BW Peg - I          | ven 18.52 | 297 | 56  | <b>ven 19.52</b> | <b>320</b> | <b>65</b> | ven 20.52 | 355 | 69  | 400           |
|              |       |       |       |       | G1518.0913 Her - II | ven 19.02 | 79  | 45  | <b>ven 20.02</b> | <b>90</b>  | <b>34</b> | ven 21.02 | 99  | 23  | -145          |
|              |       |       |       |       | G3881.0579 Dra - I  | ven 19.07 | 133 | 56  | <b>ven 20.07</b> | <b>133</b> | <b>48</b> | ven 21.07 | 136 | 40  | -98           |
|              |       |       |       |       | V1106 Her - II      | ven 19.46 | 69  | 59  | <b>ven 20.46</b> | <b>83</b>  | <b>48</b> | ven 21.46 | 93  | 37  | 69            |
|              |       |       |       |       | V473 And - II       | ven 19.55 | 251 | 49  | <b>ven 20.55</b> | <b>256</b> | <b>60</b> | ven 21.55 | 262 | 71  | 349           |
|              |       |       |       |       | EZ Lac - I          | ven 23.56 | 125 | 69  | <b>sab 00.56</b> | <b>122</b> | <b>60</b> | sab 01.56 | 124 | 50  | 288           |
|              |       |       |       |       | V473 And - I        | sab 00.44 | 95  | 78  | <b>sab 01.44</b> | <b>100</b> | <b>67</b> | sab 02.44 | 106 | 56  | 350           |
|              |       |       |       |       | V423 Tau - II       | sab 01.55 | 123 | 66  | <b>sab 02.55</b> | <b>122</b> | <b>57</b> | sab 03.55 | 124 | 47  | 288           |
| sab 15-09-12 | 18.13 | 18.47 | 03.07 | 03.41 | G1518.0913 Her - II | sab 18.09 | 68  | 53  | <b>sab 19.09</b> | <b>81</b>  | <b>43</b> | sab 20.09 | 92  | 32  | -150          |
|              |       |       |       |       | V423 Tau - II       | sab 18.17 | 230 | 36  | <b>sab 19.17</b> | <b>235</b> | <b>45</b> | sab 20.17 | 237 | 54  | 290           |
|              |       |       |       |       | G3881.0579 Dra - I  | sab 18.49 | 133 | 58  | <b>sab 19.49</b> | <b>133</b> | <b>49</b> | sab 20.49 | 135 | 41  | -99           |
|              |       |       |       |       | V473 And - I        | sab 20.00 | 251 | 51  | <b>sab 21.00</b> | <b>257</b> | <b>61</b> | sab 22.00 | 262 | 72  | 352           |
|              |       |       |       |       | V1106 Her - II      | sab 20.12 | 77  | 53  | <b>sab 21.12</b> | <b>88</b>  | <b>42</b> | sab 22.12 | 98  | 31  | 64            |
|              |       |       |       |       | V1072 Her - II      | sab 21.14 | 122 | 49  | <b>sab 22.14</b> | <b>126</b> | <b>40</b> | sab 23.14 | 131 | 31  | 15            |
|              |       |       |       |       | G3881.0579 Dra - II | sab 22.46 | 144 | 27  | <b>sab 23.46</b> | <b>150</b> | <b>21</b> | dom 00.46 | 156 | 16  | -100          |
|              |       |       |       |       | V556 Lyr - II       | sab 23.01 | 106 | 41  | <b>dom 00.01</b> | <b>113</b> | <b>30</b> | dom 01.01 | 121 | 20  | 172           |
|              |       |       |       |       | V1187 Cyg - I       | dom 00.20 | 116 | 39  | <b>dom 01.20</b> | <b>122</b> | <b>29</b> | dom 02.20 | 129 | 20  | 225           |
|              |       |       |       |       | V473 And - II       | dom 00.49 | 96  | 76  | <b>dom 01.49</b> | <b>101</b> | <b>65</b> | dom 02.49 | 107 | 54  | 353           |
|              |       |       |       |       | V423 Tau - I        | dom 02.28 | 238 | 61  | <b>dom 03.28</b> | <b>234</b> | <b>70</b> | dom 04.28 | 215 | 78  | -39           |
| dom 16-09-12 | 18.11 | 18.45 | 03.08 | 03.42 | G1518.0913 Her - II | dom 17.17 | 52  | 61  | <b>dom 18.17</b> | <b>71</b>  | <b>51</b> | dom 19.17 | 83  | 41  | -156          |
|              |       |       |       |       | V1106 Her - I       | dom 17.36 | 6   | 74  | <b>dom 18.36</b> | <b>46</b>  | <b>69</b> | dom 19.36 | 68  | 59  | 59            |
|              |       |       |       |       | V691 Her - II       | dom 18.06 | 64  | 50  | <b>dom 19.06</b> | <b>78</b>  | <b>39</b> | dom 20.06 | 89  | 28  | -167          |
|              |       |       |       |       | V1072 Her - I       | dom 18.24 | 128 | 76  | <b>dom 19.24</b> | <b>120</b> | <b>66</b> | dom 20.24 | 120 | 57  | 13            |
|              |       |       |       |       | V1187 Cyg - II      | dom 18.25 | 265 | 78  | <b>dom 19.25</b> | <b>271</b> | <b>89</b> | dom 20.25 | 94  | 80  | 223           |
|              |       |       |       |       | G3881.0579 Dra - I  | dom 18.32 | 134 | 59  | <b>dom 19.32</b> | <b>133</b> | <b>51</b> | dom 20.32 | 134 | 43  | -101          |
|              |       |       |       |       | V473 And - II       | dom 20.04 | 252 | 52  | <b>dom 21.04</b> | <b>258</b> | <b>63</b> | dom 22.04 | 263 | 74  | 355           |
|              |       |       |       |       | V1106 Her - II      | dom 20.39 | 83  | 48  | <b>dom 21.39</b> | <b>93</b>  | <b>37</b> | dom 22.39 | 103 | 26  | 58            |
|              |       |       |       |       | G3881.0579 Dra - II | dom 22.29 | 142 | 28  | <b>dom 23.29</b> | <b>148</b> | <b>22</b> | lun 00.29 | 155 | 17  | -101          |
|              |       |       |       |       | VV Eri - I          | dom 23.27 | 294 | 38  | <b>lun 00.27</b> | <b>309</b> | <b>48</b> | lun 01.27 | 330 | 55  | 277           |
|              |       |       |       |       | V473 And - I        | lun 00.53 | 96  | 75  | <b>lun 01.53</b> | <b>102</b> | <b>64</b> | lun 02.53 | 107 | 53  | 356           |
| lun 17-09-12 | 18.09 | 18.43 | 03.09 | 03.43 | FU Lac - II         | lun 17.12 | 246 | 47  | <b>lun 18.12</b> | <b>251</b> | <b>57</b> | lun 19.12 | 255 | 68  | 315           |
|              |       |       |       |       | V1106 Her - I       | lun 18.02 | 28  | 72  | <b>lun 19.02</b> | <b>59</b>  | <b>64</b> | lun 20.02 | 76  | 54  | 53            |
|              |       |       |       |       | G3881.0579 Dra - I  | lun 18.15 | 134 | 61  | <b>lun 19.15</b> | <b>132</b> | <b>53</b> | lun 20.15 | 134 | 45  | -102          |
|              |       |       |       |       | EZ Lac - I          | lun 18.55 | 238 | 58  | <b>lun 19.55</b> | <b>236</b> | <b>68</b> | lun 20.55 | 223 | 77  | 292           |
|              |       |       |       |       | V423 Tau - II       | lun 19.23 | 235 | 47  | <b>lun 20.23</b> | <b>238</b> | <b>56</b> | lun 21.23 | 237 | 66  | 298           |
|              |       |       |       |       | V473 And - I        | lun 20.09 | 253 | 54  | <b>lun 21.09</b> | <b>259</b> | <b>65</b> | lun 22.09 | 264 | 76  | 359           |
|              |       |       |       |       | V1106 Her - II      | lun 21.05 | 89  | 42  | <b>lun 22.05</b> | <b>98</b>  | <b>31</b> | lun 23.05 | 107 | 20  | 52            |
|              |       |       |       |       | G3881.0579 Dra - II | lun 22.12 | 141 | 30  | <b>lun 23.12</b> | <b>147</b> | <b>23</b> | mar 00.12 | 153 | 18  | -102          |
|              |       |       |       |       | V1072 Her - I       | lun 22.38 | 128 | 35  | <b>lun 23.38</b> | <b>134</b> | <b>27</b> | mar 00.38 | 141 | 19  | 10            |
|              |       |       |       |       | BW Peg - I          | lun 22.54 | 62  | 57  | <b>lun 23.54</b> | <b>77</b>  | <b>46</b> | mar 00.54 | 88  | 35  | 393           |
|              |       |       |       |       | V473 And - II       | mar 00.58 | 97  | 73  | <b>mar 01.58</b> | <b>103</b> | <b>62</b> | mar 02.58 | 108 | 51  | 359           |
| mar 18-09-12 | 18.07 | 18.41 | 03.11 | 03.44 | BW Peg - II         | mar 17.55 | 286 | 49  | <b>mar 18.55</b> | <b>303</b> | <b>59</b> | mar 19.55 | 329 | 67  | 391           |
|              |       |       |       |       | G3881.0579 Dra - I  | mar 17.57 | 135 | 63  | <b>mar 18.57</b> | <b>133</b> | <b>55</b> | mar 19.57 | 133 | 47  | -103          |
|              |       |       |       |       | V1106 Her - I       | mar 18.29 | 46  | 69  | <b>mar 19.29</b> | <b>69</b>  | <b>59</b> | mar 20.29 | 83  | 48  | 48            |
|              |       |       |       |       | G1518.0913 Her - I  | mar 19.23 | 86  | 38  | <b>mar 20.23</b> | <b>96</b>  | <b>27</b> | mar 21.23 | 105 | 16  | -167          |
|              |       |       |       |       | V691 Her - I        | mar 19.25 | 83  | 34  | <b>mar 20.25</b> | <b>93</b>  | <b>23</b> | mar 21.25 | 103 | 12  | -179          |
|              |       |       |       |       | V1072 Her - II      | mar 19.48 | 119 | 61  | <b>mar 20.48</b> | <b>121</b> | <b>51</b> | mar 21.48 | 125 | 42  | 8             |
|              |       |       |       |       | V473 And - II       | mar 20.14 | 254 | 55  | <b>mar 21.14</b> | <b>259</b> | <b>66</b> | mar 22.14 | 265 | 77  | 362           |
|              |       |       |       |       | FU Lac - I          | mar 20.40 | 247 | 85  | <b>mar 21.40</b> | <b>110</b> | <b>84</b> | mar 22.40 | 104 | 73  | 314           |
|              |       |       |       |       | V1106 Her - II      | mar 21.32 | 94  | 37  | <b>mar 22.32</b> | <b>103</b> | <b>26</b> | mar 23.32 | 112 | 15  | 47            |
|              |       |       |       |       | G3881.0579 Dra - II | mar 21.55 | 140 | 32  | <b>mar 22.55</b> | <b>145</b> | <b>25</b> | mar 23.55 | 152 | 19  | -103          |
|              |       |       |       |       | V556 Lyr - II       | mar 22.32 | 103 | 44  | <b>mar 23.32</b> | <b>111</b> | <b>33</b> | mer 00.32 | 119 | 23  | 161           |
|              |       |       |       |       | CQ Ori - I          | mar 23.28 | 259 | 9   | <b>mer 00.28</b> | <b>269</b> | <b>20</b> | mer 01.28 | 280 | 31  | -80           |
|              |       |       |       |       | V1187 Cyg - I       | mer 00.40 | 119 | 33  | <b>mer 01.40</b> | <b>126</b> | <b>24</b> | mer 02.40 | 133 | 15  | 218           |
|              |       |       |       |       | V473 And - I        | mer 01.03 | 98  | 71  | <b>mer 02.03</b> | <b>104</b> | <b>60</b> | mer 03.03 | 109 | 50  | 362           |
| mer 19-09-12 | 18.05 | 18.39 | 03.12 | 03.45 | G3881.0579 Dra - I  | mer 17.40 | 137 | 65  | <b>mer 18.40</b> | <b>133</b> | <b>57</b> | mer 19.40 | 133 | 48  | -104          |
|              |       |       |       |       | G1518.0913 Her - I  | mer 18.31 | 76  | 47  | <b>mer 19.31</b> | <b>88</b>  | <b>36</b> | mer 20.31 | 98  | 25  | -173          |
|              |       |       |       |       | V1187 Cyg - II      | mer 18.45 | 267 | 84  | <b>mer 19.45</b> | <b>92</b>  | <b>85</b> | mer 20.45 | 97  | 74  | 216           |

| Day          | Sun<br>-12° | Sun<br>-18° | Sun<br>-18° | Sun<br>-12° | Star Name           | 1h before<br>Min. | Azi | Alt | Time of<br>minimum | Azi        | Alt       | 1h after  | Min. | Azi | Alt  | Helio<br>Corr |
|--------------|-------------|-------------|-------------|-------------|---------------------|-------------------|-----|-----|--------------------|------------|-----------|-----------|------|-----|------|---------------|
|              |             |             |             |             | V1106 Her - I       | mer 18.55         | 59  | 64  | <b>mer 19.55</b>   | <b>76</b>  | <b>54</b> | mer 20.55 | 88   | 43  | 42   |               |
|              |             |             |             |             | V473 And - I        | mer 20.19         | 255 | 57  | <b>mer 21.19</b>   | <b>260</b> | <b>68</b> | mer 22.19 | 266  | 79  | 365  |               |
|              |             |             |             |             | V423 Tau - II       | mer 20.29         | 238 | 58  | <b>mer 21.29</b>   | <b>236</b> | <b>68</b> | mer 22.29 | 223  | 77  | 305  |               |
|              |             |             |             |             | G3881.0579 Dra - II | mer 21.37         | 139 | 33  | <b>mer 22.37</b>   | <b>144</b> | <b>26</b> | mer 23.37 | 150  | 20  | -105 |               |
|              |             |             |             |             | V1106 Her - II      | mer 21.58         | 98  | 31  | <b>mer 22.58</b>   | <b>107</b> | <b>20</b> | mer 23.58 | 116  | 10  | 41   |               |
|              |             |             |             |             | QQ Lyr - I          | mer 23.17         | 106 | 32  | <b>gio 00.17</b>   | <b>114</b> | <b>22</b> | gio 01.17 | 122  | 12  | 159  |               |
|              |             |             |             |             | FU Lac - II         | gio 00.08         | 109 | 56  | <b>gio 01.08</b>   | <b>114</b> | <b>46</b> | gio 02.08 | 120  | 36  | 314  |               |
|              |             |             |             |             | V473 And - II       | gio 01.08         | 99  | 70  | <b>gio 02.08</b>   | <b>104</b> | <b>59</b> | gio 03.08 | 110  | 48  | 365  |               |
|              |             |             |             |             | VV Eri - I          | gio 02.13         | 355 | 58  | <b>gio 03.13</b>   | <b>23</b>  | <b>56</b> | gio 04.13 | 45   | 50  | 298  |               |
| gio 20-09-12 | 18.03       | 18.37       | 03.13       | 03.47       | G3881.0579 Dra - I  | gio 17.23         | 139 | 66  | <b>gio 18.23</b>   | <b>133</b> | <b>59</b> | gio 19.23 | 133  | 50  | -105 |               |
|              |             |             |             |             | G1518.0913 Her - I  | gio 17.38         | 65  | 55  | <b>gio 18.38</b>   | <b>79</b>  | <b>45</b> | gio 19.38 | 90   | 34  | -178 |               |
|              |             |             |             |             | V1106 Her - I       | gio 19.22         | 69  | 59  | <b>gio 20.22</b>   | <b>83</b>  | <b>48</b> | gio 21.22 | 93   | 37  | 36   |               |
|              |             |             |             |             | QQ Lyr - II         | gio 20.15         | 75  | 65  | <b>gio 21.15</b>   | <b>88</b>  | <b>54</b> | gio 22.15 | 98   | 43  | 155  |               |
|              |             |             |             |             | V473 And - II       | gio 20.24         | 256 | 59  | <b>gio 21.24</b>   | <b>261</b> | <b>69</b> | gio 22.24 | 267  | 81  | 367  |               |
|              |             |             |             |             | VV Eri - II         | gio 20.55         | 268 | 13  | <b>gio 21.55</b>   | <b>278</b> | <b>24</b> | gio 22.55 | 290  | 35  | 303  |               |
|              |             |             |             |             | V423 Tau - I        | gio 21.02         | 216 | 18  | <b>gio 22.02</b>   | <b>223</b> | <b>25</b> | gio 23.02 | 228  | 33  | -3   |               |
|              |             |             |             |             | V1072 Her - I       | gio 21.12         | 123 | 46  | <b>gio 22.12</b>   | <b>127</b> | <b>37</b> | gio 23.12 | 132  | 29  | 3    |               |
|              |             |             |             |             | G3881.0579 Dra - II | gio 21.20         | 138 | 35  | <b>gio 22.20</b>   | <b>143</b> | <b>28</b> | gio 23.20 | 149  | 21  | -106 |               |
|              |             |             |             |             | V473 And - I        | ven 01.13         | 100 | 68  | <b>ven 02.13</b>   | <b>105</b> | <b>57</b> | ven 03.13 | 111  | 46  | 368  |               |
| ven 21-09-12 | 18.02       | 18.35       | 03.14       | 03.48       | G3881.0579 Dra - I  | ven 17.06         | 141 | 68  | <b>ven 18.06</b>   | <b>134</b> | <b>60</b> | ven 19.06 | 133  | 52  | -107 |               |
|              |             |             |             |             | QQ Lyr - I          | ven 17.13         | 304 | 74  | <b>ven 18.13</b>   | <b>356</b> | <b>80</b> | ven 19.13 | 52   | 75  | 151  |               |
|              |             |             |             |             | V691 Her - I        | ven 17.53         | 66  | 49  | <b>ven 18.53</b>   | <b>79</b>  | <b>38</b> | ven 19.53 | 90   | 27  | -197 |               |
|              |             |             |             |             | V1072 Her - II      | ven 18.22         | 124 | 73  | <b>ven 19.22</b>   | <b>119</b> | <b>64</b> | ven 20.22 | 120  | 54  | 1    |               |
|              |             |             |             |             | V1106 Her - I       | ven 19.48         | 77  | 54  | <b>ven 20.48</b>   | <b>88</b>  | <b>43</b> | ven 21.48 | 98   | 31  | 31   |               |
|              |             |             |             |             | V473 And - I        | ven 20.29         | 256 | 60  | <b>ven 21.29</b>   | <b>262</b> | <b>71</b> | ven 22.29 | 268  | 82  | 370  |               |
|              |             |             |             |             | G3881.0579 Dra - II | ven 21.03         | 137 | 37  | <b>ven 22.03</b>   | <b>142</b> | <b>29</b> | ven 23.03 | 147  | 23  | -107 |               |
|              |             |             |             |             | V423 Tau - II       | ven 21.34         | 234 | 70  | <b>ven 22.34</b>   | <b>217</b> | <b>78</b> | ven 23.34 | 165  | 81  | 311  |               |
|              |             |             |             |             | BW Peg - II         | ven 21.56         | 47  | 63  | <b>ven 22.56</b>   | <b>67</b>  | <b>54</b> | ven 23.56 | 81   | 43  | 382  |               |
|              |             |             |             |             | V556 Lyr - II       | ven 22.04         | 101 | 47  | <b>ven 23.04</b>   | <b>109</b> | <b>36</b> | sab 00.04 | 116  | 26  | 150  |               |
|              |             |             |             |             | EZ Lac - II         | ven 23.23         | 126 | 70  | <b>sab 00.23</b>   | <b>122</b> | <b>61</b> | sab 01.23 | 123  | 51  | 297  |               |
|              |             |             |             |             | V473 And - II       | sab 01.18         | 100 | 66  | <b>sab 02.18</b>   | <b>106</b> | <b>56</b> | sab 03.18 | 112  | 45  | 371  |               |
| sab 22-09-12 | 18.00       | 18.33       | 03.16       | 03.49       | V1106 Her - II      | sab 17.11         | 5   | 74  | <b>sab 18.11</b>   | <b>45</b>  | <b>69</b> | sab 19.11 | 68   | 59  | 26   |               |
|              |             |             |             |             | AK Ser - I          | sab 18.32         | 33  | 28  | <b>sab 19.32</b>   | <b>47</b>  | <b>20</b> | sab 20.32 | 59   | 11  | -46  |               |
|              |             |             |             |             | V1187 Cyg - II      | sab 19.05         | 274 | 89  | <b>sab 20.05</b>   | <b>95</b>  | <b>79</b> | sab 21.05 | 100  | 68  | 209  |               |
|              |             |             |             |             | V1106 Her - I       | sab 20.15         | 83  | 48  | <b>sab 21.15</b>   | <b>93</b>  | <b>37</b> | sab 22.15 | 102  | 26  | 25   |               |
|              |             |             |             |             | V473 And - II       | sab 20.34         | 257 | 62  | <b>sab 21.34</b>   | <b>263</b> | <b>73</b> | sab 22.34 | 269  | 84  | 373  |               |
|              |             |             |             |             | G3881.0579 Dra - II | sab 20.45         | 136 | 38  | <b>sab 21.45</b>   | <b>141</b> | <b>31</b> | sab 22.45 | 146  | 24  | -108 |               |
|              |             |             |             |             | V423 Tau - I        | sab 22.07         | 224 | 26  | <b>sab 23.07</b>   | <b>230</b> | <b>35</b> | dom 00.07 | 234  | 43  | 13   |               |
|              |             |             |             |             | V1072 Her - II      | sab 22.35         | 130 | 33  | <b>sab 23.35</b>   | <b>136</b> | <b>25</b> | dom 00.35 | 143  | 17  | -2   |               |
|              |             |             |             |             | V473 And - I        | dom 01.23         | 101 | 65  | <b>dom 02.23</b>   | <b>107</b> | <b>54</b> | dom 03.23 | 113  | 43  | 373  |               |
|              |             |             |             |             | CQ Ori - II         | dom 02.07         | 291 | 41  | <b>dom 03.07</b>   | <b>306</b> | <b>51</b> | dom 04.07 | 328  | 58  | -46  |               |
| dom 23-09-12 | 17.58       | 18.31       | 03.17       | 03.50       | AK Ser - II         | dom 17.36         | 20  | 32  | <b>dom 18.36</b>   | <b>35</b>  | <b>27</b> | dom 19.36 | 49   | 19  | -54  |               |
|              |             |             |             |             | V1106 Her - II      | dom 17.38         | 28  | 72  | <b>dom 18.38</b>   | <b>59</b>  | <b>64</b> | dom 19.38 | 76   | 54  | 20   |               |
|              |             |             |             |             | G1518.0913 Her - II | dom 18.53         | 84  | 40  | <b>dom 19.53</b>   | <b>94</b>  | <b>29</b> | dom 20.53 | 103  | 18  | -194 |               |
|              |             |             |             |             | V691 Her - II       | dom 19.12         | 84  | 33  | <b>dom 20.12</b>   | <b>94</b>  | <b>22</b> | dom 21.12 | 104  | 11  | -208 |               |
|              |             |             |             |             | V1072 Her - I       | dom 19.45         | 119 | 58  | <b>dom 20.45</b>   | <b>122</b> | <b>49</b> | dom 21.45 | 126  | 39  | -4   |               |
|              |             |             |             |             | G3881.0579 Dra - II | dom 20.28         | 136 | 40  | <b>dom 21.28</b>   | <b>140</b> | <b>32</b> | dom 22.28 | 145  | 26  | -109 |               |
|              |             |             |             |             | V473 And - I        | dom 20.39         | 258 | 63  | <b>dom 21.39</b>   | <b>263</b> | <b>74</b> | dom 22.39 | 270  | 86  | 375  |               |
|              |             |             |             |             | V1106 Her - I       | dom 20.41         | 88  | 42  | <b>dom 21.41</b>   | <b>98</b>  | <b>31</b> | dom 22.41 | 107  | 20  | 19   |               |
|              |             |             |             |             | V423 Tau - II       | dom 22.40         | 208 | 80  | <b>dom 23.40</b>   | <b>154</b> | <b>80</b> | lun 00.40 | 128  | 72  | 317  |               |
|              |             |             |             |             | VV Eri - II         | dom 23.41         | 304 | 45  | <b>lun 00.41</b>   | <b>323</b> | <b>53</b> | lun 01.41 | 347  | 58  | 323  |               |
|              |             |             |             |             | V473 And - II       | lun 01.28         | 102 | 63  | <b>lun 02.28</b>   | <b>108</b> | <b>52</b> | lun 03.28 | 113  | 42  | 376  |               |
| lun 24-09-12 | 17.56       | 18.29       | 03.18       | 03.51       | G1518.0913 Her - II | lun 18.00         | 74  | 49  | <b>lun 19.00</b>   | <b>86</b>  | <b>38</b> | lun 20.00 | 96   | 27  | -199 |               |
|              |             |             |             |             | V1106 Her - II      | lun 18.04         | 46  | 69  | <b>lun 19.04</b>   | <b>68</b>  | <b>59</b> | lun 20.04 | 82   | 48  | 14   |               |
|              |             |             |             |             | EZ Lac - II         | lun 18.22         | 238 | 58  | <b>lun 19.22</b>   | <b>236</b> | <b>67</b> | lun 20.22 | 225  | 76  | 299  |               |
|              |             |             |             |             | G3881.0579 Dra - II | lun 20.11         | 135 | 42  | <b>lun 21.11</b>   | <b>139</b> | <b>34</b> | lun 22.11 | 144  | 27  | -110 |               |
|              |             |             |             |             | V473 And - II       | lun 20.44         | 259 | 65  | <b>lun 21.44</b>   | <b>264</b> | <b>76</b> | lun 22.44 | 272  | 87  | 378  |               |
|              |             |             |             |             | V1106 Her - I       | lun 21.08         | 93  | 37  | <b>lun 22.08</b>   | <b>103</b> | <b>26</b> | lun 23.08 | 111  | 15  | 13   |               |
|              |             |             |             |             | V556 Lyr - II       | lun 21.35         | 99  | 50  | <b>lun 22.35</b>   | <b>107</b> | <b>39</b> | lun 23.35 | 114  | 29  | 138  |               |
|              |             |             |             |             | V423 Tau - I        | lun 23.13         | 231 | 37  | <b>mar 00.13</b>   | <b>235</b> | <b>45</b> | mar 01.13 | 237  | 55  | 28   |               |
|              |             |             |             |             | V473 And - I        | mar 01.33         | 103 | 62  | <b>mar 02.33</b>   | <b>108</b> | <b>51</b> | mar 03.33 | 114  | 40  | 378  |               |
| mar 25-09-12 | 17.54       | 18.27       | 03.19       | 03.52       | G1518.0913 Her - II | mar 17.08         | 61  | 57  | <b>mar 18.08</b>   | <b>77</b>  | <b>47</b> | mar 19.08 | 88   | 36  | -204 |               |
|              |             |             |             |             | FU Lac - I          | mar 17.29         | 250 | 55  | <b>mar 18.29</b>   | <b>254</b> | <b>66</b> | mar 19.29 | 256  | 77  | 311  |               |
|              |             |             |             |             | V1106 Her - II      | mar 18.31         | 59  | 64  | <b>mar 19.31</b>   | <b>76</b>  | <b>54</b> | mar 20.31 | 88   | 43  | 9    |               |
|              |             |             |             |             | V1187 Cyg - II      | mar 19.25         | 92  | 85  | <b>mar 20.25</b>   | <b>97</b>  | <b>73</b> | mar 21.25 | 103  | 62  | 200  |               |
|              |             |             |             |             | G3881.0579 Dra - II | mar 19.53         | 134 | 43  | <b>mar 20.53</b>   | <b>138</b> | <b>36</b> | mar 21.53 | 142  | 29  | -111 |               |
|              |             |             |             |             | V473 And - I        | mar 20.49         | 260 | 67  | <b>mar 21.49</b>   | <b>265</b> | <b>78</b> | mar 22.49 | 276  | 89  | 380  |               |

| Day          | Sun<br>-12° | Sun<br>-18° | Sun<br>-18° | Sun<br>-12° | Star Name           | 1h before<br>Min. | Azi | Alt | Time of<br>minimum |     |    | 1h after Min. | Azi | Alt | Helio<br>Corr |
|--------------|-------------|-------------|-------------|-------------|---------------------|-------------------|-----|-----|--------------------|-----|----|---------------|-----|-----|---------------|
|              |             |             |             |             | BW Peg - I          | mar 20.58         | 26  | 68  | mar 21.58          | 54  | 60 | mar 22.58     | 71  | 51  | 369           |
|              |             |             |             |             | V1072 Her - II      | mar 21.09         | 124 | 44  | mar 22.09          | 128 | 35 | mar 23.09     | 134 | 26  | -9            |
|              |             |             |             |             | V1106 Her - I       | mar 21.34         | 98  | 31  | mar 22.34          | 107 | 20 | mar 23.34     | 116 | 10  | 8             |
|              |             |             |             |             | V423 Tau - II       | mar 23.46         | 145 | 78  | mer 00.46          | 126 | 70 | mer 01.46     | 122 | 61  | 323           |
|              |             |             |             |             | V473 And - II       | mer 01.38         | 104 | 60  | mer 02.38          | 109 | 49 | mer 03.38     | 115 | 39  | 380           |
| mer 26-09-12 | 17.53       | 18.26       | 03.20       | 03.53       | V691 Her - II       | mer 17.39         | 67  | 48  | mer 18.39          | 80  | 37 | mer 19.39     | 91  | 26  | -225          |
|              |             |             |             |             | V1072 Her - I       | mer 18.19         | 122 | 70  | mer 19.19          | 119 | 61 | mer 20.19     | 121 | 51  | -12           |
|              |             |             |             |             | V1106 Her - II      | mer 18.57         | 69  | 59  | mer 19.57          | 83  | 48 | mer 20.57     | 93  | 37  | 3             |
|              |             |             |             |             | G3881.0579 Dra - II | mer 19.36         | 134 | 45  | mer 20.36          | 137 | 37 | mer 21.36     | 141 | 30  | -112          |
|              |             |             |             |             | V473 And - II       | mer 20.53         | 260 | 68  | mer 21.53          | 266 | 79 | mer 22.53     | 73  | 90  | 382           |
|              |             |             |             |             | FU Lac - II         | mer 20.57         | 117 | 86  | mer 21.57          | 104 | 75 | mer 22.57     | 106 | 64  | 310           |
|              |             |             |             |             | QQ Lyr - I          | mer 22.59         | 107 | 31  | mer 23.59          | 115 | 20 | gio 00.59     | 124 | 10  | 127           |
|              |             |             |             |             | V423 Tau - I        | gio 00.19         | 236 | 48  | gio 01.19          | 238 | 57 | gio 02.19     | 237 | 66  | 43            |
|              |             |             |             |             | V473 And - I        | gio 01.42         | 104 | 58  | gio 02.42          | 110 | 48 | gio 03.42     | 116 | 37  | 383           |
|              |             |             |             |             | VV Eri - II         | gio 02.26         | 14  | 58  | gio 03.26          | 39  | 53 | gio 04.26     | 57  | 44  | 343           |
| gio 27-09-12 | 17.51       | 18.24       | 03.21       | 03.54       | G1518.0913 Her - I  | gio 19.14         | 90  | 33  | gio 20.14          | 100 | 22 | gio 21.14     | 109 | 11  | -215          |
|              |             |             |             |             | G3881.0579 Dra - II | gio 19.19         | 133 | 47  | gio 20.19          | 136 | 39 | gio 21.19     | 140 | 32  | -113          |
|              |             |             |             |             | V1106 Her - II      | gio 19.24         | 76  | 54  | gio 20.24          | 88  | 43 | gio 21.24     | 98  | 32  | -3            |
|              |             |             |             |             | QQ Lyr - II         | gio 19.56         | 77  | 63  | gio 20.56          | 90  | 52 | gio 21.56     | 99  | 41  | 123           |
|              |             |             |             |             | V473 And - I        | gio 20.58         | 261 | 70  | gio 21.58          | 267 | 81 | gio 22.58     | 87  | 88  | 384           |
|              |             |             |             |             | V556 Lyr - II       | gio 21.07         | 97  | 53  | gio 22.07          | 105 | 42 | gio 23.07     | 112 | 31  | 125           |
|              |             |             |             |             | VV Eri - I          | gio 21.08         | 275 | 21  | gio 22.08          | 286 | 32 | gio 23.08     | 299 | 42  | 347           |
|              |             |             |             |             | V1072 Her - I       | gio 22.33         | 131 | 30  | gio 23.33          | 138 | 22 | ven 00.33     | 145 | 15  | -15           |
|              |             |             |             |             | FU Lac - I          | ven 00.25         | 113 | 48  | ven 01.25          | 119 | 38 | ven 02.25     | 125 | 29  | 309           |
|              |             |             |             |             | V423 Tau - II       | ven 00.51         | 124 | 68  | ven 01.51          | 122 | 59 | ven 02.51     | 124 | 49  | 329           |
|              |             |             |             |             | V473 And - II       | ven 01.47         | 105 | 57  | ven 02.47          | 111 | 46 | ven 03.47     | 117 | 36  | 385           |
| ven 28-09-12 | 17.49       | 18.22       | 03.23       | 03.55       | QQ Lyr - I          | ven 16.54         | 309 | 75  | ven 17.54          | 6   | 80 | ven 18.54     | 57  | 73  | 119           |
|              |             |             |             |             | V423 Tau - II       | ven 17.13         | 229 | 34  | ven 18.13          | 234 | 43 | ven 19.13     | 237 | 52  | 331           |
|              |             |             |             |             | G1518.0913 Her - I  | ven 18.22         | 82  | 42  | ven 19.22          | 92  | 31 | ven 20.22     | 102 | 20  | -220          |
|              |             |             |             |             | V691 Her - I        | ven 18.59         | 85  | 32  | ven 19.59          | 95  | 21 | ven 20.59     | 105 | 10  | -236          |
|              |             |             |             |             | G3881.0579 Dra - II | ven 19.02         | 133 | 49  | ven 20.02          | 135 | 41 | ven 21.02     | 139 | 33  | -114          |
|              |             |             |             |             | V1072 Her - II      | ven 19.43         | 120 | 56  | ven 20.43          | 123 | 46 | ven 21.43     | 127 | 37  | -17           |
|              |             |             |             |             | V1187 Cyg - II      | ven 19.46         | 95  | 79  | ven 20.46          | 100 | 68 | ven 21.46     | 106 | 57  | 192           |
|              |             |             |             |             | V1106 Her - II      | ven 19.50         | 83  | 48  | ven 20.50          | 93  | 37 | ven 21.50     | 102 | 26  | -9            |
|              |             |             |             |             | V473 And - II       | ven 21.03         | 262 | 71  | ven 22.03          | 268 | 83 | ven 23.03     | 90  | 86  | 386           |
|              |             |             |             |             | EZ Lac - I          | ven 22.50         | 126 | 71  | ven 23.50          | 122 | 61 | sab 00.50     | 123 | 52  | 302           |
|              |             |             |             |             | V423 Tau - I        | sab 01.24         | 238 | 59  | sab 02.24          | 235 | 68 | sab 03.24     | 222 | 77  | 59            |
|              |             |             |             |             | V473 And - I        | sab 01.52         | 106 | 55  | sab 02.52          | 112 | 45 | sab 03.52     | 118 | 35  | 386           |
| sab 29-09-12 | 17.47       | 18.20       | 03.24       | 03.56       | V1072 Her - I       | sab 16.53         | 148 | 81  | sab 17.53          | 124 | 73 | sab 18.53     | 119 | 63  | -19           |
|              |             |             |             |             | V1106 Her - I       | sab 17.13         | 27  | 72  | sab 18.13          | 58  | 65 | sab 19.13     | 76  | 54  | -14           |
|              |             |             |             |             | G1518.0913 Her - I  | sab 17.29         | 71  | 51  | sab 18.29          | 84  | 40 | sab 19.29     | 94  | 29  | -225          |
|              |             |             |             |             | G3881.0579 Dra - II | sab 18.44         | 133 | 51  | sab 19.44          | 135 | 43 | sab 20.44     | 138 | 35  | -114          |
|              |             |             |             |             | BW Peg - II         | sab 20.01         | 359 | 69  | sab 21.01          | 36  | 66 | sab 22.01     | 60  | 58  | 354           |
|              |             |             |             |             | V1106 Her - II      | sab 20.17         | 88  | 43  | sab 21.17          | 98  | 31 | sab 22.17     | 107 | 20  | -14           |
|              |             |             |             |             | V473 And - I        | sab 21.08         | 263 | 73  | sab 22.08          | 269 | 84 | sab 23.08     | 91  | 85  | 388           |
|              |             |             |             |             | V473 And - II       | dom 01.57         | 107 | 54  | dom 02.57          | 113 | 43 | dom 03.57     | 119 | 33  | 388           |
|              |             |             |             |             | V423 Tau - II       | dom 01.57         | 122 | 57  | dom 02.57          | 124 | 47 | dom 03.57     | 128 | 38  | 334           |
| dom 30-09-12 | 17.46       | 18.18       | 03.25       | 03.58       | V1106 Her - I       | dom 17.40         | 45  | 69  | dom 18.40          | 68  | 59 | dom 19.40     | 82  | 49  | -19           |
|              |             |             |             |             | V423 Tau - II       | dom 18.19         | 235 | 45  | dom 19.19          | 237 | 54 | dom 20.19     | 237 | 64  | 335           |
|              |             |             |             |             | G3881.0579 Dra - II | dom 18.27         | 132 | 53  | dom 19.27          | 134 | 44 | dom 20.27     | 137 | 37  | -115          |
|              |             |             |             |             | V556 Lyr - II       | dom 20.39         | 95  | 56  | dom 21.39          | 103 | 45 | dom 22.39     | 110 | 34  | 113           |
|              |             |             |             |             | V1106 Her - II      | dom 20.43         | 93  | 37  | dom 21.43          | 102 | 26 | dom 22.43     | 111 | 15  | -20           |
|              |             |             |             |             | V1072 Her - I       | dom 21.06         | 125 | 41  | dom 22.06          | 130 | 32 | dom 23.06     | 136 | 24  | -22           |
|              |             |             |             |             | V473 And - II       | dom 21.13         | 264 | 75  | dom 22.13          | 270 | 86 | dom 23.13     | 92  | 83  | 390           |
|              |             |             |             |             | VV Eri - I          | dom 23.54         | 316 | 51  | lun 00.54          | 339 | 57 | lun 01.54     | 6   | 58  | 365           |
|              |             |             |             |             | V473 And - I        | lun 02.02         | 108 | 52  | lun 03.02          | 114 | 42 | lun 04.02     | 120 | 32  | 390           |
|              |             |             |             |             | V423 Tau - I        | lun 02.30         | 234 | 70  | lun 03.30          | 215 | 79 | lun 04.30     | 162 | 80  | 74            |
| lun 01-10-12 | 17.44       | 18.17       | 03.26       | 03.59       | V691 Her - I        | lun 17.26         | 69  | 46  | lun 18.26          | 82  | 36 | lun 19.26     | 92  | 24  | -251          |
|              |             |             |             |             | EZ Lac - I          | lun 17.49         | 238 | 57  | lun 18.49          | 237 | 66 | lun 19.49     | 227 | 75  | 302           |
|              |             |             |             |             | V1106 Her - I       | lun 18.06         | 59  | 64  | lun 19.06          | 76  | 54 | lun 20.06     | 88  | 43  | -25           |
|              |             |             |             |             | G3881.0579 Dra - II | lun 18.10         | 133 | 54  | lun 19.10          | 133 | 46 | lun 20.10     | 136 | 38  | -116          |
|              |             |             |             |             | V1072 Her - II      | lun 18.16         | 120 | 68  | lun 19.16          | 120 | 58 | lun 20.16     | 122 | 48  | -24           |
|              |             |             |             |             | V1187 Cyg - II      | lun 20.06         | 98  | 73  | lun 21.06          | 103 | 62 | lun 22.06     | 109 | 51  | 182           |
|              |             |             |             |             | V1106 Her - II      | lun 21.10         | 98  | 31  | lun 22.10          | 107 | 20 | lun 23.10     | 116 | 10  | -26           |
|              |             |             |             |             | V473 And - I        | lun 21.18         | 264 | 76  | lun 22.18          | 272 | 87 | lun 23.18     | 93  | 81  | 391           |
|              |             |             |             |             | V473 And - II       | mar 02.07         | 109 | 51  | mar 03.07          | 115 | 40 | mar 04.07     | 121 | 30  | 392           |

| Day          | Sun   | Sun   | Sun   | Sun   | Star Name           | 1h before |     |     | Time of   |     |     | 1h after  |     |     | Heliocorr |
|--------------|-------|-------|-------|-------|---------------------|-----------|-----|-----|-----------|-----|-----|-----------|-----|-----|-----------|
|              | -12°  | -18°  | -18°  | -12°  |                     | Min.      | Azi | Alt | minimum   | Azi | Alt | Min.      | Azi | Alt |           |
| mar 02-10-12 | 17.42 | 18.15 | 03.27 | 04.00 | G3881.0579 Dra - II | mar 17.52 | 133 | 56  | mar 18.52 | 133 | 48  | mar 19.52 | 136 | 40  | -117      |
|              |       |       |       |       | V1106 Her - I       | mar 18.33 | 68  | 59  | mar 19.33 | 82  | 48  | mar 20.33 | 93  | 37  | -31       |
|              |       |       |       |       | G1518.0913 Her - II | mar 18.44 | 89  | 35  | mar 19.44 | 98  | 24  | mar 20.44 | 108 | 13  | -240      |
|              |       |       |       |       | V423 Tau - II       | mar 19.25 | 238 | 56  | mar 20.25 | 237 | 66  | mar 21.25 | 228 | 75  | 340       |
|              |       |       |       |       | V473 And - II       | mar 21.23 | 265 | 78  | mar 22.23 | 279 | 89  | mar 23.23 | 94  | 80  | 393       |
|              |       |       |       |       | V1072 Her - II      | mar 22.30 | 133 | 28  | mar 23.30 | 139 | 20  | mer 00.30 | 147 | 14  | -27       |
|              |       |       |       |       | BW Peg - II         | mer 00.02 | 89  | 34  | mer 01.02 | 99  | 23  | mer 02.02 | 108 | 12  | 341       |
|              |       |       |       |       | V473 And - I        | mer 02.12 | 109 | 49  | mer 03.12 | 115 | 39  | mer 04.12 | 122 | 29  | 393       |
| mer 03-10-12 | 17.40 | 18.13 | 03.28 | 04.01 | G3881.0579 Dra - II | mer 17.35 | 133 | 58  | mer 18.35 | 133 | 50  | mer 19.35 | 135 | 42  | -118      |
|              |       |       |       |       | FU Lac - II         | mer 17.46 | 254 | 64  | mer 18.46 | 256 | 75  | mer 19.46 | 244 | 85  | 301       |
|              |       |       |       |       | G1518.0913 Her - II | mer 17.51 | 80  | 44  | mer 18.51 | 91  | 33  | mer 19.51 | 100 | 22  | -244      |
|              |       |       |       |       | V1106 Her - I       | mer 18.59 | 76  | 54  | mer 19.59 | 88  | 43  | mer 20.59 | 98  | 32  | -36       |
|              |       |       |       |       | BW Peg - I          | mer 19.03 | 333 | 68  | mer 20.03 | 11  | 69  | mer 21.03 | 44  | 64  | 338       |
|              |       |       |       |       | V1072 Her - I       | mer 19.40 | 121 | 53  | mer 20.40 | 124 | 43  | mer 21.40 | 129 | 34  | -29       |
|              |       |       |       |       | V423 Tau - I        | mer 19.58 | 214 | 16  | mer 20.58 | 221 | 23  | mer 21.58 | 227 | 31  | 94        |
|              |       |       |       |       | V556 Lyr - II       | mer 20.10 | 92  | 59  | mer 21.10 | 100 | 48  | mer 22.10 | 108 | 37  | 100       |
|              |       |       |       |       | V473 And - I        | mer 21.28 | 266 | 80  | mer 22.28 | 80  | 89  | mer 23.28 | 95  | 78  | 394       |
|              |       |       |       |       | G3881.0579 Dra - I  | mer 21.32 | 143 | 27  | mer 22.32 | 149 | 21  | mer 23.32 | 156 | 16  | -118      |
|              |       |       |       |       | CQ Ori - II         | gio 01.10 | 288 | 39  | gio 02.10 | 302 | 49  | gio 03.10 | 322 | 57  | 47        |
|              |       |       |       |       | V473 And - II       | gio 02.17 | 110 | 47  | gio 03.17 | 116 | 37  | gio 04.17 | 123 | 27  | 394       |
|              |       |       |       |       | VV Eri - I          | gio 02.39 | 31  | 55  | gio 03.39 | 52  | 47  | gio 04.39 | 67  | 38  | 382       |
| gio 04-10-12 | 17.39 | 18.11 | 03.29 | 04.02 | V473 And - I        | gio 16.44 | 239 | 30  | gio 17.44 | 245 | 40  | gio 18.44 | 251 | 50  | 395       |
|              |       |       |       |       | V1072 Her - II      | gio 16.50 | 137 | 79  | gio 17.50 | 122 | 70  | gio 18.50 | 119 | 60  | -31       |
|              |       |       |       |       | G1518.0913 Her - II | gio 16.59 | 69  | 53  | gio 17.59 | 82  | 42  | gio 18.59 | 92  | 31  | -248      |
|              |       |       |       |       | G3881.0579 Dra - II | gio 17.18 | 134 | 60  | gio 18.18 | 133 | 52  | gio 19.18 | 134 | 44  | -118      |
|              |       |       |       |       | V1106 Her - I       | gio 19.26 | 83  | 48  | gio 20.26 | 93  | 37  | gio 21.26 | 102 | 26  | -42       |
|              |       |       |       |       | QQ Lyr - II         | gio 19.37 | 80  | 62  | gio 20.37 | 91  | 51  | gio 21.37 | 100 | 40  | 89        |
|              |       |       |       |       | V1187 Cyg - II      | gio 20.26 | 101 | 67  | gio 21.26 | 106 | 56  | gio 22.26 | 112 | 45  | 173       |
|              |       |       |       |       | V423 Tau - II       | gio 20.30 | 236 | 68  | gio 21.30 | 223 | 77  | gio 22.30 | 178 | 81  | 344       |
|              |       |       |       |       | FU Lac - I          | gio 21.14 | 104 | 77  | gio 22.14 | 106 | 66  | gio 23.14 | 110 | 56  | 299       |
|              |       |       |       |       | G3881.0579 Dra - I  | gio 21.15 | 142 | 29  | gio 22.15 | 148 | 22  | gio 23.15 | 154 | 17  | -118      |
|              |       |       |       |       | VV Eri - II         | gio 21.21 | 282 | 28  | gio 22.21 | 295 | 39  | gio 23.21 | 310 | 48  | 386       |
|              |       |       |       |       | V473 And - II       | gio 21.33 | 267 | 81  | gio 22.33 | 88  | 88  | gio 23.33 | 96  | 76  | 395       |
|              |       |       |       |       | V473 And - I        | ven 02.22 | 111 | 46  | ven 03.22 | 117 | 36  | ven 04.22 | 124 | 26  | 396       |
| ven 05-10-12 | 17.37 | 18.10 | 03.30 | 04.03 | V473 And - II       | ven 16.49 | 240 | 32  | ven 17.49 | 246 | 42  | ven 18.49 | 252 | 52  | 396       |
|              |       |       |       |       | V1106 Her - II      | ven 16.49 | 27  | 72  | ven 17.49 | 58  | 65  | ven 18.49 | 76  | 54  | -47       |
|              |       |       |       |       | G3881.0579 Dra - II | ven 17.01 | 135 | 62  | ven 18.01 | 132 | 54  | ven 19.01 | 134 | 45  | -119      |
|              |       |       |       |       | V1106 Her - I       | ven 19.52 | 88  | 43  | ven 20.52 | 98  | 32  | ven 21.52 | 107 | 21  | -48       |
|              |       |       |       |       | G3881.0579 Dra - I  | ven 20.58 | 141 | 30  | ven 21.58 | 146 | 24  | ven 22.58 | 153 | 18  | -119      |
|              |       |       |       |       | V423 Tau - I        | ven 21.03 | 223 | 25  | ven 22.03 | 228 | 33  | ven 23.03 | 233 | 41  | 110       |
|              |       |       |       |       | V1072 Her - II      | ven 21.04 | 126 | 39  | ven 22.04 | 132 | 30  | ven 23.04 | 138 | 22  | -34       |
|              |       |       |       |       | V473 And - I        | ven 21.37 | 268 | 83  | ven 22.37 | 90  | 86  | ven 23.37 | 96  | 75  | 396       |
|              |       |       |       |       | EZ Lac - II         | ven 22.17 | 127 | 72  | ven 23.17 | 122 | 62  | sab 00.17 | 123 | 53  | 302       |
|              |       |       |       |       | FU Lac - II         | sab 00.42 | 118 | 40  | sab 01.42 | 124 | 30  | sab 02.42 | 130 | 21  | 297       |
|              |       |       |       |       | V473 And - II       | sab 02.26 | 112 | 44  | sab 03.26 | 118 | 34  | sab 04.26 | 125 | 25  | 397       |
| sab 06-10-12 | 17.35 | 18.08 | 03.32 | 04.04 | G3881.0579 Dra - II | sab 16.43 | 136 | 63  | sab 17.43 | 133 | 55  | sab 18.43 | 133 | 47  | -120      |
|              |       |       |       |       | V473 And - I        | sab 16.53 | 241 | 33  | sab 17.53 | 247 | 43  | sab 18.53 | 253 | 54  | 397       |
|              |       |       |       |       | V691 Her - II       | sab 17.13 | 70  | 45  | sab 18.13 | 83  | 34  | sab 19.13 | 93  | 23  | -275      |
|              |       |       |       |       | V1106 Her - II      | sab 17.15 | 45  | 69  | sab 18.15 | 68  | 60  | sab 19.15 | 82  | 49  | -52       |
|              |       |       |       |       | V1072 Her - I       | sab 18.14 | 120 | 65  | sab 19.14 | 120 | 55  | sab 20.14 | 123 | 46  | -36       |
|              |       |       |       |       | V556 Lyr - II       | sab 19.42 | 89  | 62  | sab 20.42 | 98  | 51  | sab 21.42 | 106 | 40  | 87        |
|              |       |       |       |       | V1106 Her - I       | sab 20.19 | 93  | 37  | sab 21.19 | 102 | 26  | sab 22.19 | 111 | 15  | -53       |
|              |       |       |       |       | G3881.0579 Dra - I  | sab 20.40 | 140 | 32  | sab 21.40 | 145 | 25  | sab 22.40 | 151 | 19  | -120      |
|              |       |       |       |       | V423 Tau - II       | sab 21.36 | 216 | 78  | sab 22.36 | 165 | 81  | sab 23.36 | 131 | 74  | 348       |
|              |       |       |       |       | V473 And - II       | sab 21.42 | 269 | 85  | sab 22.42 | 91  | 84  | sab 23.42 | 97  | 73  | 397       |
|              |       |       |       |       | BW Peg - I          | sab 23.05 | 82  | 42  | dom 00.05 | 92  | 30  | dom 01.05 | 102 | 19  | 324       |
|              |       |       |       |       | V473 And - I        | dom 02.31 | 113 | 43  | dom 03.31 | 119 | 33  | dom 04.31 | 126 | 23  | 398       |
| dom 07-10-12 | 17.34 | 18.06 | 03.33 | 04.05 | V473 And - II       | dom 16.58 | 242 | 34  | dom 17.58 | 248 | 45  | dom 18.58 | 254 | 55  | 398       |
|              |       |       |       |       | V1106 Her - II      | dom 17.42 | 58  | 65  | dom 18.42 | 76  | 54  | dom 19.42 | 88  | 43  | -58       |
|              |       |       |       |       | BW Peg - II         | dom 18.05 | 312 | 63  | dom 19.05 | 343 | 69  | dom 20.05 | 22  | 68  | 320       |
|              |       |       |       |       | G1518.0913 Her - I  | dom 18.13 | 87  | 37  | dom 19.13 | 97  | 26  | dom 20.13 | 106 | 15  | -262      |
|              |       |       |       |       | G3881.0579 Dra - I  | dom 20.23 | 139 | 34  | dom 21.23 | 144 | 27  | dom 22.23 | 150 | 21  | -120      |
|              |       |       |       |       | V1106 Her - I       | dom 20.45 | 98  | 31  | dom 21.45 | 107 | 20  | dom 22.45 | 116 | 10  | -59       |
|              |       |       |       |       | V1187 Cyg - II      | dom 20.46 | 103 | 61  | dom 21.46 | 109 | 50  | dom 22.46 | 115 | 40  | 163       |
|              |       |       |       |       | V473 And - I        | dom 21.47 | 270 | 86  | dom 22.47 | 92  | 83  | dom 23.47 | 98  | 72  | 398       |
|              |       |       |       |       | V423 Tau - I        | dom 22.09 | 230 | 35  | dom 23.09 | 234 | 44  | lun 00.09 | 237 | 53  | 124       |
|              |       |       |       |       | VV Eri - II         | lun 00.07 | 331 | 55  | lun 01.07 | 357 | 58  | lun 02.07 | 24  | 56  | 402       |
|              |       |       |       |       | V473 And - II       | lun 02.36 | 114 | 41  | lun 03.36 | 120 | 31  | lun 04.36 | 127 | 22  | 398       |

| Day           | Sun<br>-12° | Sun<br>-18° | Sun<br>-18° | Sun<br>-12°      | Star Name           | 1h before<br>Min. | Azi       | Alt | Time of<br>minimum | Azi        | Alt       | 1h after<br>Min. | Azi | Alt | Helio<br>Corr |
|---------------|-------------|-------------|-------------|------------------|---------------------|-------------------|-----------|-----|--------------------|------------|-----------|------------------|-----|-----|---------------|
| lun 08-10-12  | 17.32       | 18.04       | 03.34       | 04.06            | V473 And - I        | lun 17.03         | 243       | 36  | <b>lun 18.03</b>   | <b>249</b> | <b>46</b> | lun 19.03        | 255 | 57  | 399           |
|               |             |             |             |                  | EZ Lac - II         | lun 17.15         | 238       | 56  | <b>lun 18.15</b>   | <b>237</b> | <b>65</b> | lun 19.15        | 229 | 74  | 301           |
|               |             |             |             |                  | G1518.0913 Her - I  | lun 17.20         | 77        | 46  | <b>lun 18.20</b>   | <b>89</b>  | <b>35</b> | lun 19.20        | 98  | 24  | -266          |
|               |             |             |             |                  | V1106 Her - II      | lun 18.08         | 68        | 59  | <b>lun 19.08</b>   | <b>82</b>  | <b>49</b> | lun 20.08        | 93  | 37  | -64           |
|               |             |             |             |                  | V1072 Her - II      | lun 19.37         | 121       | 50  | <b>lun 20.37</b>   | <b>125</b> | <b>41</b> | lun 21.37        | 130 | 32  | -41           |
|               |             |             |             |                  | G3881.0579 Dra - I  | lun 20.06         | 138       | 35  | <b>lun 21.06</b>   | <b>143</b> | <b>28</b> | lun 22.06        | 148 | 22  | -121          |
|               |             |             |             |                  | V473 And - II       | lun 21.52         | 273       | 88  | <b>lun 22.52</b>   | <b>93</b>  | <b>81</b> | lun 23.52        | 99  | 70  | 399           |
|               |             |             |             |                  | V423 Tau - II       | lun 22.42         | 153       | 80  | <b>lun 23.42</b>   | <b>128</b> | <b>72</b> | mar 00.42        | 122 | 63  | 351           |
|               |             |             |             |                  | V473 And - I        | mar 02.41         | 115       | 40  | <b>mar 03.41</b>   | <b>121</b> | <b>30</b> | mar 04.41        | 128 | 21  | 399           |
| mar 09-10-12  | 17.30       | 18.03       | 03.35       | 04.07            | V1072 Her - I       | mar 16.48         | 130       | 77  | <b>mar 17.48</b>   | <b>120</b> | <b>67</b> | mar 18.48        | 120 | 58  | -43           |
|               |             |             |             |                  | V473 And - II       | mar 17.08         | 244       | 37  | <b>mar 18.08</b>   | <b>250</b> | <b>48</b> | mar 19.08        | 255 | 58  | 400           |
|               |             |             |             |                  | V1106 Her - II      | mar 18.35         | 76        | 54  | <b>mar 19.35</b>   | <b>88</b>  | <b>43</b> | mar 20.35        | 98  | 32  | -69           |
|               |             |             |             |                  | V556 Lyr - II       | mar 19.13         | 86        | 65  | <b>mar 20.13</b>   | <b>96</b>  | <b>54</b> | mar 21.13        | 104 | 43  | 74            |
|               |             |             |             |                  | G3881.0579 Dra - I  | mar 19.49         | 137       | 37  | <b>mar 20.49</b>   | <b>142</b> | <b>30</b> | mar 21.49        | 147 | 23  | -121          |
|               |             |             |             |                  | V473 And - I        | mar 21.57         | 284       | 89  | <b>mar 22.57</b>   | <b>94</b>  | <b>79</b> | mar 23.57        | 100 | 68  | 400           |
|               |             |             |             |                  | V423 Tau - I        | mar 23.15         | 235       | 46  | <b>mer 00.15</b>   | <b>237</b> | <b>55</b> | mer 01.15        | 237 | 64  | 139           |
|               |             |             |             |                  | EZ Lac - I          | mer 02.45         | 134       | 29  | <b>mer 03.45</b>   | <b>141</b> | <b>21</b> | mer 04.45        | 148 | 15  | 300           |
|               |             |             |             |                  | V473 And - II       | mer 02.46         | 116       | 38  | <b>mer 03.46</b>   | <b>122</b> | <b>29</b> | mer 04.46        | 129 | 19  | 400           |
| mer 10-10-12  | 17.29       | 18.01       | 03.36       | 04.08            | V473 And - I        | mer 17.13         | 245       | 39  | <b>mer 18.13</b>   | <b>251</b> | <b>49</b> | mer 19.13        | 256 | 60  | 400           |
|               |             |             |             |                  | V1106 Her - II      | mer 19.01         | 82        | 48  | <b>mer 20.01</b>   | <b>93</b>  | <b>37</b> | mer 21.01        | 102 | 26  | -75           |
|               |             |             |             |                  | G3881.0579 Dra - I  | mer 19.31         | 136       | 39  | <b>mer 20.31</b>   | <b>140</b> | <b>31</b> | mer 21.31        | 146 | 24  | -122          |
|               |             |             |             |                  | V1072 Her - I       | mer 21.01         | 128       | 36  | <b>mer 22.01</b>   | <b>133</b> | <b>28</b> | mer 23.01        | 140 | 20  | -46           |
|               |             |             |             |                  | V1187 Cyg - II      | mer 21.06         | 106       | 55  | <b>mer 22.06</b>   | <b>112</b> | <b>45</b> | mer 23.06        | 118 | 35  | 152           |
|               |             |             |             |                  | V473 And - II       | mer 22.02         | 83        | 89  | <b>mer 23.02</b>   | <b>95</b>  | <b>78</b> | gio 00.02        | 100 | 67  | 400           |
|               |             |             |             |                  | BW Peg - II         | mer 22.07         | 73        | 49  | <b>mer 23.07</b>   | <b>85</b>  | <b>38</b> | gio 00.07        | 95  | 27  | 305           |
|               |             |             |             |                  | V423 Tau - II       | mer 23.47         | 126       | 70  | <b>gio 00.47</b>   | <b>122</b> | <b>61</b> | gio 01.47        | 123 | 51  | 354           |
|               |             |             |             |                  | V473 And - I        | gio 02.51         | 117       | 37  | <b>gio 03.51</b>   | <b>123</b> | <b>27</b> | gio 04.51        | 130 | 18  | 400           |
| VV Eri - II   | gio 02.53   | 46          | 50          | <b>gio 03.53</b> | <b>63</b>           | <b>41</b>         | gio 04.53 | 76  | 30                 | 417        |           |                  |     |     |               |
| gio 11-10-12  | 17.27       | 18.00       | 03.37       | 04.09            | V691 Her - I        | gio 17.00         | 72        | 44  | <b>gio 18.00</b>   | <b>84</b>  | <b>33</b> | gio 19.00        | 94  | 22  | -298          |
|               |             |             |             |                  | BW Peg - I          | gio 17.07         | 298       | 56  | <b>gio 18.07</b>   | <b>320</b> | <b>65</b> | gio 19.07        | 355 | 69  | 301           |
|               |             |             |             |                  | V473 And - II       | gio 17.18         | 246       | 40  | <b>gio 18.18</b>   | <b>251</b> | <b>51</b> | gio 19.18        | 257 | 61  | 401           |
|               |             |             |             |                  | FU Lac - I          | gio 18.03         | 256       | 73  | <b>gio 19.03</b>   | <b>251</b> | <b>83</b> | gio 20.03        | 113 | 85  | 286           |
|               |             |             |             |                  | V1072 Her - II      | gio 18.11         | 119       | 62  | <b>gio 19.11</b>   | <b>121</b> | <b>53</b> | gio 20.11        | 124 | 43  | -48           |
|               |             |             |             |                  | G3881.0579 Dra - I  | gio 19.14         | 135       | 40  | <b>gio 20.14</b>   | <b>139</b> | <b>33</b> | gio 21.14        | 144 | 26  | -122          |
|               |             |             |             |                  | QQ Lyr - II         | gio 19.19         | 81        | 60  | <b>gio 20.19</b>   | <b>92</b>  | <b>49</b> | gio 21.19        | 101 | 38  | 54            |
|               |             |             |             |                  | V1106 Her - II      | gio 19.28         | 88        | 43  | <b>gio 20.28</b>   | <b>98</b>  | <b>32</b> | gio 21.28        | 107 | 21  | -80           |
|               |             |             |             |                  | VV Eri - I          | gio 21.34         | 290       | 36  | <b>gio 22.34</b>   | <b>305</b> | <b>45</b> | gio 23.34        | 324 | 53  | 420           |
| V473 And - I  | gio 22.07   | 88          | 87          | <b>gio 23.07</b> | <b>96</b>           | <b>76</b>         | ven 00.07 | 101 | 65                 | 401        |           |                  |     |     |               |
| V423 Tau - I  | ven 00.20   | 238         | 57          | <b>ven 01.20</b> | <b>237</b>          | <b>66</b>         | ven 02.20 | 226 | 75                 | 154        |           |                  |     |     |               |
| V473 And - II | ven 02.56   | 118         | 35          | <b>ven 03.56</b> | <b>124</b>          | <b>26</b>         | ven 04.56 | 132 | 17                 | 401        |           |                  |     |     |               |
| ven 12-10-12  | 17.26       | 17.58       | 03.38       | 04.11            | V1106 Her - I       | ven 16.51         | 45        | 69  | <b>ven 17.51</b>   | <b>68</b>  | <b>60</b> | ven 18.51        | 82  | 49  | -85           |
|               |             |             |             |                  | V473 And - I        | ven 17.23         | 246       | 42  | <b>ven 18.23</b>   | <b>252</b> | <b>52</b> | ven 19.23        | 258 | 63  | 401           |
|               |             |             |             |                  | G1518.0913 Her - II | ven 17.42         | 85        | 39  | <b>ven 18.42</b>   | <b>95</b>  | <b>28</b> | ven 19.42        | 104 | 17  | -283          |
|               |             |             |             |                  | V556 Lyr - II       | ven 18.45         | 83        | 68  | <b>ven 19.45</b>   | <b>94</b>  | <b>57</b> | ven 20.45        | 102 | 46  | 60            |
|               |             |             |             |                  | G3881.0579 Dra - I  | ven 18.57         | 135       | 42  | <b>ven 19.57</b>   | <b>138</b> | <b>34</b> | ven 20.57        | 143 | 27  | -123          |
|               |             |             |             |                  | V1106 Her - II      | ven 19.54         | 93        | 37  | <b>ven 20.54</b>   | <b>102</b> | <b>26</b> | ven 21.54        | 111 | 15  | -86           |
|               |             |             |             |                  | FU Lac - II         | ven 21.31         | 105       | 68  | <b>ven 22.31</b>   | <b>109</b> | <b>58</b> | ven 23.31        | 114 | 47  | 283           |
|               |             |             |             |                  | EZ Lac - I          | ven 21.44         | 128       | 72  | <b>ven 22.44</b>   | <b>122</b> | <b>63</b> | ven 23.44        | 123 | 54  | 298           |
|               |             |             |             |                  | V473 And - II       | ven 22.12         | 90        | 86  | <b>ven 23.12</b>   | <b>97</b>  | <b>74</b> | sab 00.12        | 102 | 63  | 401           |
| V423 Tau - II | sab 00.53   | 122         | 59          | <b>sab 01.53</b> | <b>124</b>          | <b>49</b>         | sab 02.53 | 127 | 40                 | 356        |           |                  |     |     |               |
| V473 And - I  | sab 03.01   | 118         | 34          | <b>sab 04.01</b> | <b>125</b>          | <b>24</b>         | sab 05.01 | 133 | 16                 | 401        |           |                  |     |     |               |
| sab 13-10-12  | 17.24       | 17.56       | 03.39       | 04.12            | G1518.0913 Her - II | sab 16.50         | 75        | 48  | <b>sab 17.50</b>   | <b>87</b>  | <b>37</b> | sab 18.50        | 97  | 26  | -287          |
|               |             |             |             |                  | V423 Tau - II       | sab 17.15         | 234       | 43  | <b>sab 18.15</b>   | <b>237</b> | <b>52</b> | sab 19.15        | 238 | 62  | 357           |
|               |             |             |             |                  | V1106 Her - I       | sab 17.17         | 58        | 65  | <b>sab 18.17</b>   | <b>76</b>  | <b>54</b> | sab 19.17        | 88  | 43  | -91           |
|               |             |             |             |                  | V473 And - II       | sab 17.28         | 247       | 43  | <b>sab 18.28</b>   | <b>253</b> | <b>54</b> | sab 19.28        | 259 | 65  | 401           |
|               |             |             |             |                  | G3881.0579 Dra - I  | sab 18.39         | 134       | 44  | <b>sab 19.39</b>   | <b>137</b> | <b>36</b> | sab 20.39        | 142 | 29  | -123          |
|               |             |             |             |                  | V1072 Her - I       | sab 19.35         | 122       | 47  | <b>sab 20.35</b>   | <b>127</b> | <b>38</b> | sab 21.35        | 132 | 30  | -53           |
|               |             |             |             |                  | V1106 Her - II      | sab 20.21         | 98        | 32  | <b>sab 21.21</b>   | <b>107</b> | <b>21</b> | sab 22.21        | 116 | 10  | -91           |
|               |             |             |             |                  | V1187 Cyg - II      | sab 21.26         | 109       | 50  | <b>sab 22.26</b>   | <b>115</b> | <b>39</b> | sab 23.26        | 122 | 29  | 141           |
|               |             |             |             |                  | V473 And - I        | sab 22.17         | 91        | 84  | <b>sab 23.17</b>   | <b>97</b>  | <b>73</b> | dom 00.17        | 103 | 62  | 401           |
| FU Lac - I    | dom 00.59   | 122         | 32          | <b>dom 01.59</b> | <b>129</b>          | <b>23</b>         | dom 02.59 | 137 | 15                 | 281        |           |                  |     |     |               |
| V423 Tau - I  | dom 01.26   | 235         | 69          | <b>dom 02.26</b> | <b>221</b>          | <b>77</b>         | dom 03.26 | 174 | 81                 | 168        |           |                  |     |     |               |
| V473 And - II | dom 03.06   | 119         | 32          | <b>dom 04.06</b> | <b>126</b>          | <b>23</b>         | dom 05.06 | 134 | 15                 | 401        |           |                  |     |     |               |
| dom 14-10-12  | 17.22       | 17.55       | 03.40       | 04.13            | V1072 Her - II      | dom 16.45         | 125       | 74  | <b>dom 17.45</b>   | <b>120</b> | <b>65</b> | dom 18.45        | 120 | 55  | -55           |
|               |             |             |             |                  | V473 And - I        | dom 17.33         | 248       | 45  | <b>dom 18.33</b>   | <b>254</b> | <b>55</b> | dom 19.33        | 259 | 66  | 401           |
|               |             |             |             |                  | V1106 Her - I       | dom 17.44         | 68        | 60  | <b>dom 18.44</b>   | <b>82</b>  | <b>49</b> | dom 19.44        | 93  | 38  | -96           |

| Day          | Sun   | Sun   | Sun   | Sun   | Star Name           | 1h before |     |     | Time of   |     |     | 1h after  |     |     | Helio<br>Corr |
|--------------|-------|-------|-------|-------|---------------------|-----------|-----|-----|-----------|-----|-----|-----------|-----|-----|---------------|
|              | -12°  | -18°  | -18°  | -12°  |                     | Min.      | Azi | Alt | minimum   | Azi | Alt | Min.      | Azi | Alt |               |
|              |       |       |       |       | G3881.0579 Dra - I  | dom 18.22 | 134 | 46  | dom 19.22 | 137 | 38  | dom 20.22 | 141 | 30  | -123          |
|              |       |       |       |       | BW Peg - I          | dom 21.09 | 62  | 56  | dom 22.09 | 77  | 46  | dom 23.09 | 88  | 35  | 285           |
|              |       |       |       |       | V473 And - II       | dom 22.22 | 92  | 82  | dom 23.22 | 98  | 71  | lun 00.22 | 104 | 60  | 401           |
|              |       |       |       |       | CQ Ori - II         | lun 00.13 | 285 | 36  | lun 01.13 | 299 | 47  | lun 02.13 | 317 | 55  | 138           |
|              |       |       |       |       | VV Eri - I          | lun 00.20 | 348 | 58  | lun 01.20 | 16  | 57  | lun 02.20 | 40  | 52  | 433           |
|              |       |       |       |       | V423 Tau - II       | lun 01.59 | 124 | 47  | lun 02.59 | 128 | 38  | lun 03.59 | 134 | 30  | 358           |
|              |       |       |       |       | V473 And - I        | lun 03.11 | 120 | 31  | lun 04.11 | 127 | 22  | lun 05.11 | 135 | 13  | 401           |
| lun 15-10-12 | 17.21 | 17.53 | 03.42 | 04.14 | EZ Lac - I          | lun 16.42 | 237 | 55  | lun 17.42 | 237 | 64  | lun 18.42 | 230 | 73  | 295           |
|              |       |       |       |       | V473 And - II       | lun 17.37 | 249 | 46  | lun 18.37 | 255 | 57  | lun 19.37 | 260 | 68  | 401           |
|              |       |       |       |       | G3881.0579 Dra - I  | lun 18.05 | 133 | 48  | lun 19.05 | 136 | 40  | lun 20.05 | 140 | 32  | -124          |
|              |       |       |       |       | V1106 Her - I       | lun 18.10 | 76  | 54  | lun 19.10 | 88  | 43  | lun 20.10 | 97  | 32  | -102          |
|              |       |       |       |       | V556 Lyr - II       | lun 18.16 | 78  | 72  | lun 19.16 | 91  | 60  | lun 20.16 | 100 | 49  | 46            |
|              |       |       |       |       | V423 Tau - II       | lun 18.21 | 237 | 54  | lun 19.21 | 237 | 64  | lun 20.21 | 231 | 73  | 359           |
|              |       |       |       |       | VV Eri - II         | lun 19.01 | 265 | 10  | lun 20.01 | 276 | 22  | lun 21.01 | 287 | 33  | 436           |
|              |       |       |       |       | V1072 Her - II      | lun 20.58 | 129 | 34  | lun 21.58 | 135 | 25  | lun 22.58 | 142 | 18  | -58           |
|              |       |       |       |       | V473 And - I        | lun 22.26 | 93  | 81  | lun 23.26 | 99  | 70  | mar 00.26 | 104 | 59  | 401           |
|              |       |       |       |       | V423 Tau - I        | mar 02.32 | 214 | 79  | mar 03.32 | 161 | 80  | mar 04.32 | 130 | 74  | 183           |
| mar 16-10-12 | 17.19 | 17.52 | 03.43 | 04.15 | V691 Her - II       | mar 16.47 | 73  | 43  | mar 17.47 | 85  | 32  | mar 18.47 | 95  | 21  | -318          |
|              |       |       |       |       | V473 And - I        | mar 17.42 | 250 | 48  | mar 18.42 | 256 | 59  | mar 19.42 | 261 | 70  | 401           |
|              |       |       |       |       | G3881.0579 Dra - I  | mar 17.48 | 133 | 49  | mar 18.48 | 135 | 41  | mar 19.48 | 139 | 34  | -124          |
|              |       |       |       |       | G1518.0913 Her - I  | mar 18.04 | 91  | 32  | mar 19.04 | 101 | 21  | mar 20.04 | 110 | 10  | -298          |
|              |       |       |       |       | V1072 Her - I       | mar 18.09 | 119 | 59  | mar 19.09 | 121 | 50  | mar 20.09 | 125 | 40  | -60           |
|              |       |       |       |       | V1106 Her - I       | mar 18.37 | 82  | 49  | mar 19.37 | 93  | 37  | mar 20.37 | 102 | 26  | -107          |
|              |       |       |       |       | V423 Tau - I        | mar 18.54 | 213 | 15  | mar 19.54 | 220 | 22  | mar 20.54 | 226 | 29  | 187           |
|              |       |       |       |       | V1187 Cyg - II      | mar 21.46 | 112 | 44  | mar 22.46 | 119 | 34  | mar 23.46 | 125 | 24  | 129           |
|              |       |       |       |       | V473 And - II       | mar 22.31 | 94  | 79  | mar 23.31 | 100 | 68  | mer 00.31 | 105 | 57  | 401           |
|              |       |       |       |       | EZ Lac - II         | mer 02.12 | 134 | 30  | mer 03.12 | 140 | 22  | mer 04.12 | 147 | 15  | 293           |
|              |       |       |       |       | V423 Tau - II       | mer 03.05 | 129 | 36  | mer 04.05 | 135 | 28  | mer 05.05 | 141 | 21  | 359           |
| mer 17-10-12 | 17.18 | 17.50 | 03.44 | 04.16 | G1518.0913 Her - I  | mer 17.11 | 83  | 41  | mer 18.11 | 93  | 30  | mer 19.11 | 102 | 19  | -301          |
|              |       |       |       |       | G3881.0579 Dra - I  | mer 17.30 | 133 | 51  | mer 18.30 | 134 | 43  | mer 19.30 | 138 | 35  | -124          |
|              |       |       |       |       | V473 And - II       | mer 17.47 | 251 | 49  | mer 18.47 | 256 | 60  | mer 19.47 | 262 | 71  | 401           |
|              |       |       |       |       | V1106 Her - I       | mer 19.03 | 88  | 43  | mer 20.03 | 98  | 32  | mer 21.03 | 106 | 21  | -112          |
|              |       |       |       |       | V423 Tau - II       | mer 19.26 | 237 | 66  | mer 20.26 | 227 | 75  | mer 21.26 | 191 | 81  | 360           |
|              |       |       |       |       | V473 And - I        | mer 22.36 | 95  | 77  | mer 23.36 | 101 | 66  | gio 00.36 | 106 | 55  | 401           |
|              |       |       |       |       | VV Eri - I          | gio 03.06 | 58  | 44  | gio 04.06 | 72  | 34  | gio 05.06 | 83  | 23  | 445           |
| gio 18-10-12 | 17.16 | 17.49 | 03.45 | 04.17 | G1518.0913 Her - I  | gio 16.19 | 72  | 50  | gio 17.19 | 85  | 39  | gio 18.19 | 95  | 28  | -305          |
|              |       |       |       |       | V1106 Her - II      | gio 16.27 | 44  | 69  | gio 17.27 | 67  | 60  | gio 18.27 | 82  | 49  | -117          |
|              |       |       |       |       | G3881.0579 Dra - I  | gio 17.13 | 132 | 53  | gio 18.13 | 134 | 45  | gio 19.13 | 137 | 37  | -124          |
|              |       |       |       |       | V556 Lyr - II       | gio 17.48 | 73  | 75  | gio 18.48 | 88  | 64  | gio 19.48 | 97  | 52  | 32            |
|              |       |       |       |       | V473 And - I        | gio 17.52 | 252 | 51  | gio 18.52 | 257 | 62  | gio 19.52 | 263 | 73  | 400           |
|              |       |       |       |       | QQ Lyr - II         | gio 19.00 | 83  | 59  | gio 20.00 | 94  | 47  | gio 21.00 | 102 | 36  | 18            |
|              |       |       |       |       | V1106 Her - I       | gio 19.30 | 93  | 37  | gio 20.30 | 102 | 26  | gio 21.30 | 111 | 16  | -118          |
|              |       |       |       |       | V1072 Her - II      | gio 19.32 | 123 | 45  | gio 20.32 | 128 | 36  | gio 21.32 | 134 | 27  | -64           |
|              |       |       |       |       | V423 Tau - I        | gio 19.59 | 221 | 23  | gio 20.59 | 227 | 31  | gio 21.59 | 232 | 40  | 201           |
|              |       |       |       |       | BW Peg - II         | gio 20.11 | 47  | 63  | gio 21.11 | 67  | 53  | gio 22.11 | 81  | 43  | 263           |
|              |       |       |       |       | VV Eri - II         | gio 21.47 | 300 | 42  | gio 22.47 | 317 | 51  | gio 23.47 | 341 | 57  | 447           |
|              |       |       |       |       | V473 And - II       | gio 22.41 | 96  | 76  | gio 23.41 | 101 | 65  | ven 00.41 | 107 | 54  | 400           |
|              |       |       |       |       | CQ Ori - I          | ven 02.52 | 340 | 61  | ven 03.52 | 11  | 62  | ven 04.52 | 38  | 57  | 171           |
| ven 19-10-12 | 17.15 | 17.47 | 03.46 | 04.18 | AK Ser - I          | ven 16.31 | 30  | 29  | ven 17.31 | 44  | 22  | ven 18.31 | 57  | 14  | -259          |
|              |       |       |       |       | V1072 Her - I       | ven 16.42 | 123 | 71  | ven 17.42 | 119 | 62  | ven 18.42 | 121 | 52  | -66           |
|              |       |       |       |       | V1106 Her - II      | ven 16.53 | 58  | 65  | ven 17.53 | 75  | 54  | ven 18.53 | 87  | 43  | -122          |
|              |       |       |       |       | G3881.0579 Dra - I  | ven 16.56 | 133 | 55  | ven 17.56 | 133 | 47  | ven 18.56 | 136 | 39  | -124          |
|              |       |       |       |       | V473 And - II       | ven 17.57 | 253 | 53  | ven 18.57 | 258 | 63  | ven 19.57 | 263 | 74  | 400           |
|              |       |       |       |       | FU Lac - II         | ven 18.20 | 254 | 81  | ven 19.20 | 126 | 87  | ven 20.20 | 104 | 76  | 265           |
|              |       |       |       |       | V1106 Her - I       | ven 19.56 | 98  | 32  | ven 20.56 | 107 | 21  | ven 21.56 | 116 | 10  | -123          |
|              |       |       |       |       | V423 Tau - II       | ven 20.32 | 223 | 77  | ven 21.32 | 177 | 81  | ven 22.32 | 135 | 76  | 361           |
|              |       |       |       |       | EZ Lac - II         | ven 21.11 | 129 | 73  | ven 22.11 | 123 | 64  | ven 23.11 | 123 | 55  | 290           |
|              |       |       |       |       | V1187 Cyg - II      | ven 22.07 | 116 | 39  | ven 23.07 | 122 | 29  | sab 00.07 | 129 | 20  | 118           |
|              |       |       |       |       | V473 And - I        | ven 22.46 | 97  | 74  | ven 23.46 | 102 | 63  | sab 00.46 | 108 | 52  | 400           |
| sab 20-10-12 | 17.14 | 17.46 | 03.47 | 04.19 | G3881.0579 Dra - I  | sab 16.38 | 133 | 57  | sab 17.38 | 133 | 48  | sab 18.38 | 135 | 40  | -124          |
|              |       |       |       |       | V1106 Her - II      | sab 17.20 | 68  | 60  | sab 18.20 | 82  | 49  | sab 19.20 | 93  | 38  | -128          |
|              |       |       |       |       | V473 And - I        | sab 18.02 | 253 | 54  | sab 19.02 | 259 | 65  | sab 20.02 | 264 | 76  | 399           |
|              |       |       |       |       | G3881.0579 Dra - II | sab 20.35 | 144 | 26  | sab 21.35 | 150 | 20  | sab 22.35 | 157 | 15  | -124          |
|              |       |       |       |       | V1072 Her - I       | sab 20.56 | 131 | 31  | sab 21.56 | 137 | 23  | sab 22.56 | 144 | 16  | -69           |
|              |       |       |       |       | V423 Tau - I        | sab 21.05 | 228 | 33  | sab 22.05 | 233 | 42  | sab 23.05 | 237 | 51  | 215           |
|              |       |       |       |       | FU Lac - I          | sab 21.48 | 108 | 60  | sab 22.48 | 113 | 49  | sab 23.48 | 118 | 39  | 262           |
|              |       |       |       |       | V473 And - II       | sab 22.51 | 98  | 72  | sab 23.51 | 103 | 61  | dom 00.51 | 109 | 51  | 399           |

| Day                 | Sun<br>-12° | Sun<br>-18° | Sun<br>-18° | Sun<br>-12°      | Star Name           | 1h before<br>Min. | Azi       | Alt   | Time of<br>minimum | Azi            | Alt       | 1h after<br>Min. | Azi | Alt              | Helio<br>Corr |           |           |     |    |      |
|---------------------|-------------|-------------|-------------|------------------|---------------------|-------------------|-----------|-------|--------------------|----------------|-----------|------------------|-----|------------------|---------------|-----------|-----------|-----|----|------|
| dom 21-10-12        | 17.12       | 17.44       | 03.48       | 04.20            | G3881.0579 Dra - I  | dom 16.21         | 133       | 59    | <b>dom 17.21</b>   | <b>133</b>     | <b>50</b> | dom 18.21        | 135 | 42               | -125          |           |           |     |    |      |
|                     |             |             |             |                  | V691 Her - I        | dom 16.34         | 75        | 42    | <b>dom 17.34</b>   | <b>86</b>      | <b>31</b> | dom 18.34        | 96  | 20               | -336          |           |           |     |    |      |
|                     |             |             |             |                  | V556 Lyr - II       | dom 17.19         | 66        | 77    | <b>dom 18.19</b>   | <b>85</b>      | <b>67</b> | dom 19.19        | 95  | 55               | 18            |           |           |     |    |      |
|                     |             |             |             |                  | G1518.0913 Her - II | dom 17.33         | 89        | 34    | <b>dom 18.33</b>   | <b>99</b>      | <b>23</b> | dom 19.33        | 108 | 12               | -315          |           |           |     |    |      |
|                     |             |             |             |                  | V1106 Her - II      | dom 17.46         | 76        | 54    | <b>dom 18.46</b>   | <b>88</b>      | <b>43</b> | dom 19.46        | 97  | 32               | -133          |           |           |     |    |      |
|                     |             |             |             |                  | V1072 Her - II      | dom 18.06         | 120       | 57    | <b>dom 19.06</b>   | <b>122</b>     | <b>47</b> | dom 20.06        | 127 | 38               | -71           |           |           |     |    |      |
|                     |             |             |             |                  | V473 And - II       | dom 18.07         | 254       | 56    | <b>dom 19.07</b>   | <b>260</b>     | <b>67</b> | dom 20.07        | 265 | 78               | 398           |           |           |     |    |      |
|                     |             |             |             |                  | G3881.0579 Dra - II | dom 20.18         | 143       | 28    | <b>dom 21.18</b>   | <b>149</b>     | <b>21</b> | dom 22.18        | 156 | 16               | -125          |           |           |     |    |      |
|                     |             |             |             |                  | V423 Tau - II       | dom 21.38         | 164       | 81    | <b>dom 22.38</b>   | <b>131</b>     | <b>74</b> | dom 23.38        | 123 | 65               | 361           |           |           |     |    |      |
|                     |             |             |             |                  | V473 And - I        | dom 22.56         | 98        | 71    | <b>dom 23.56</b>   | <b>104</b>     | <b>60</b> | lun 00.56        | 109 | 49               | 398           |           |           |     |    |      |
| VV Eri - II         | lun 00.33   | 7           | 58          | <b>lun 01.33</b> | <b>33</b>           | <b>54</b>         | lun 02.33 | 53    | 47                 | 457            |           |                  |     |                  |               |           |           |     |    |      |
| lun 22-10-12        | 17.11       | 17.43       | 03.49       | 04.22            | G1518.0913 Her - II | lun 16.41         | 80        | 43    | <b>lun 17.41</b>   | <b>91</b>      | <b>32</b> | lun 18.41        | 101 | 21               | -318          |           |           |     |    |      |
|                     |             |             |             |                  | V473 And - I        | lun 18.12         | 255       | 57    | <b>lun 19.12</b>   | <b>260</b>     | <b>68</b> | lun 20.12        | 266 | 79               | 397           |           |           |     |    |      |
|                     |             |             |             |                  | V1106 Her - II      | lun 18.13         | 82        | 49    | <b>lun 19.13</b>   | <b>93</b>      | <b>38</b> | lun 20.13        | 102 | 27               | -138          |           |           |     |    |      |
|                     |             |             |             |                  | BW Peg - I          | lun 19.13         | 26        | 68    | <b>lun 20.13</b>   | <b>54</b>      | <b>60</b> | lun 21.13        | 72  | 50               | 240           |           |           |     |    |      |
|                     |             |             |             |                  | VV Eri - I          | lun 19.14         | 272       | 18    | <b>lun 20.14</b>   | <b>283</b>     | <b>29</b> | lun 21.14        | 296 | 40               | 460           |           |           |     |    |      |
|                     |             |             |             |                  | G3881.0579 Dra - II | lun 20.01         | 142       | 29    | <b>lun 21.01</b>   | <b>147</b>     | <b>23</b> | lun 22.01        | 154 | 17               | -125          |           |           |     |    |      |
|                     |             |             |             |                  | V423 Tau - I        | lun 22.11         | 234       | 44    | <b>lun 23.11</b>   | <b>237</b>     | <b>53</b> | mar 00.11        | 238 | 62               | 228           |           |           |     |    |      |
|                     |             |             |             |                  | V1187 Cyg - II      | lun 22.27         | 119       | 33    | <b>lun 23.27</b>   | <b>126</b>     | <b>24</b> | mar 00.27        | 133 | 15               | 106           |           |           |     |    |      |
|                     |             |             |             |                  | V473 And - II       | lun 23.01         | 99        | 69    | <b>mar 00.01</b>   | <b>105</b>     | <b>58</b> | mar 01.01        | 110 | 48               | 397           |           |           |     |    |      |
|                     |             |             |             |                  | mar 23-10-12        | 17.09             | 17.42     | 03.50 | 04.23              | V1187 Cyg - I  | mar 16.32 | 267              | 84  | <b>mar 17.32</b> | <b>92</b>     | <b>85</b> | mar 18.32 | 97  | 74 | 103  |
| V473 And - II       | mar 18.17   | 256         | 59          | <b>mar 19.17</b> |                     |                   |           |       |                    | <b>261</b>     | <b>70</b> | mar 20.17        | 267 | 81               | 396           |           |           |     |    |      |
| V1106 Her - II      | mar 18.39   | 88          | 43          | <b>mar 19.39</b> |                     |                   |           |       |                    | <b>97</b>      | <b>32</b> | mar 20.39        | 106 | 21               | -143          |           |           |     |    |      |
| V1072 Her - I       | mar 19.30   | 125         | 42          | <b>mar 20.30</b> |                     |                   |           |       |                    | <b>129</b>     | <b>33</b> | mar 21.30        | 135 | 25               | -75           |           |           |     |    |      |
| G3881.0579 Dra - II | mar 19.44   | 141         | 31          | <b>mar 20.44</b> |                     |                   |           |       |                    | <b>146</b>     | <b>24</b> | mar 21.44        | 152 | 18               | -125          |           |           |     |    |      |
| V423 Tau - II       | mar 22.43   | 128         | 72          | <b>mar 23.43</b> |                     |                   |           |       |                    | <b>122</b>     | <b>63</b> | mer 00.43        | 123 | 53               | 361           |           |           |     |    |      |
| V473 And - I        | mar 23.06   | 100         | 68          | <b>mer 00.06</b> |                     |                   |           |       |                    | <b>105</b>     | <b>57</b> | mer 01.06        | 111 | 46               | 396           |           |           |     |    |      |
| EZ Lac - I          | mer 01.39   | 133         | 30          | <b>mer 02.39</b> |                     |                   |           |       |                    | <b>139</b>     | <b>23</b> | mer 03.39        | 146 | 16               | 283           |           |           |     |    |      |
| mer 24-10-12        | 17.08       | 17.40       | 03.51       | 04.24            |                     |                   |           |       |                    | V1072 Her - II | mer 16.40 | 121              | 69  | <b>mer 17.40</b> | <b>119</b>    | <b>59</b> | mer 18.40 | 122 | 49 | -77  |
|                     |             |             |             |                  |                     |                   |           |       |                    | V556 Lyr - II  | mer 16.51 | 56               | 80  | <b>mer 17.51</b> | <b>81</b>     | <b>70</b> | mer 18.51 | 92  | 59 | 4    |
|                     |             |             |             |                  | V473 And - I        | mer 18.22         | 257       | 61    | <b>mer 19.22</b>   | <b>262</b>     | <b>72</b> | mer 20.22        | 268 | 83               | 395           |           |           |     |    |      |
|                     |             |             |             |                  | V1106 Her - II      | mer 19.06         | 93        | 37    | <b>mer 20.06</b>   | <b>102</b>     | <b>26</b> | mer 21.06        | 111 | 16               | -148          |           |           |     |    |      |
|                     |             |             |             |                  | G3881.0579 Dra - II | mer 19.26         | 140       | 32    | <b>mer 20.26</b>   | <b>145</b>     | <b>26</b> | mer 21.26        | 151 | 20               | -125          |           |           |     |    |      |
|                     |             |             |             |                  | V473 And - II       | mer 23.11         | 101       | 66    | <b>gio 00.11</b>   | <b>106</b>     | <b>55</b> | gio 01.11        | 112 | 45               | 395           |           |           |     |    |      |
|                     |             |             |             |                  | V423 Tau - I        | mer 23.16         | 237       | 55    | <b>gio 00.16</b>   | <b>237</b>     | <b>64</b> | gio 01.16        | 230 | 74               | 241           |           |           |     |    |      |
|                     |             |             |             |                  | VV Eri - II         | gio 03.19         | 68        | 37    | <b>gio 04.19</b>   | <b>80</b>      | <b>27</b> | gio 05.19        | 90  | 15               | 466           |           |           |     |    |      |
|                     |             |             |             |                  | gio 25-10-12        | 17.07             | 17.39     | 03.52 | 04.25              | V1106 Her - I  | gio 16.29 | 57               | 65  | <b>gio 17.29</b> | <b>75</b>     | <b>55</b> | gio 18.29 | 87  | 44 | -153 |
|                     |             |             |             |                  |                     |                   |           |       |                    | V473 And - II  | gio 18.26 | 257              | 62  | <b>gio 19.26</b> | <b>263</b>    | <b>73</b> | gio 20.26 | 269 | 84 | 394  |
| QQ Lyr - II         | gio 18.41   | 85          | 57          | <b>gio 19.41</b> |                     |                   |           |       |                    | <b>95</b>      | <b>46</b> | gio 20.41        | 104 | 35               | -18           |           |           |     |    |      |
| G3881.0579 Dra - II | gio 19.09   | 139         | 34          | <b>gio 20.09</b> |                     |                   |           |       |                    | <b>144</b>     | <b>27</b> | gio 21.09        | 150 | 21               | -124          |           |           |     |    |      |
| V1106 Her - II      | gio 19.32   | 98          | 32          | <b>gio 20.32</b> |                     |                   |           |       |                    | <b>106</b>     | <b>21</b> | gio 21.32        | 115 | 10               | -153          |           |           |     |    |      |
| V1072 Her - II      | gio 20.53   | 132         | 29          | <b>gio 21.53</b> |                     |                   |           |       |                    | <b>139</b>     | <b>21</b> | gio 22.53        | 146 | 14               | -80           |           |           |     |    |      |
| VV Eri - I          | gio 22.00   | 311         | 49          | <b>gio 23.00</b> |                     |                   |           |       |                    | <b>332</b>     | <b>56</b> | ven 00.00        | 359 | 58               | 468           |           |           |     |    |      |
| V473 And - I        | gio 23.15   | 101         | 64          | <b>ven 00.15</b> |                     |                   |           |       |                    | <b>107</b>     | <b>54</b> | ven 01.15        | 113 | 43               | 394           |           |           |     |    |      |
| CQ Ori - II         | gio 23.17   | 282         | 34          | <b>ven 00.17</b> |                     |                   |           |       |                    | <b>295</b>     | <b>44</b> | ven 01.17        | 313 | 54               | 224           |           |           |     |    |      |
| V423 Tau - II       | gio 23.49   | 122         | 61          | <b>ven 00.49</b> |                     |                   |           |       |                    | <b>123</b>     | <b>51</b> | ven 01.49        | 127 | 42               | 361           |           |           |     |    |      |
| ven 26-10-12        | 17.05       | 17.38       | 03.54       | 04.26            | V423 Tau - II       | ven 16.11         | 233       | 41    | <b>ven 17.11</b>   | <b>236</b>     | <b>50</b> | ven 18.11        | 238 | 60               | 360           |           |           |     |    |      |
|                     |             |             |             |                  | V691 Her - II       | ven 16.20         | 76        | 41    | <b>ven 17.20</b>   | <b>87</b>      | <b>30</b> | ven 18.20        | 97  | 18               | -351          |           |           |     |    |      |
|                     |             |             |             |                  | V1187 Cyg - I       | ven 16.52         | 274       | 90    | <b>ven 17.52</b>   | <b>95</b>      | <b>79</b> | ven 18.52        | 100 | 68               | 90            |           |           |     |    |      |
|                     |             |             |             |                  | V1106 Her - I       | ven 16.55         | 67        | 60    | <b>ven 17.55</b>   | <b>82</b>      | <b>49</b> | ven 18.55        | 92  | 38               | -158          |           |           |     |    |      |
|                     |             |             |             |                  | G1518.0913 Her - I  | ven 17.02         | 87        | 36    | <b>ven 18.02</b>   | <b>97</b>      | <b>25</b> | ven 19.02        | 106 | 14               | -329          |           |           |     |    |      |
|                     |             |             |             |                  | V1072 Her - I       | ven 18.03         | 120       | 54    | <b>ven 19.03</b>   | <b>124</b>     | <b>44</b> | ven 20.03        | 128 | 35               | -81           |           |           |     |    |      |
|                     |             |             |             |                  | BW Peg - II         | ven 18.15         | 360       | 69    | <b>ven 19.15</b>   | <b>36</b>      | <b>66</b> | ven 20.15        | 60  | 58               | 216           |           |           |     |    |      |
|                     |             |             |             |                  | V473 And - I        | ven 18.31         | 258       | 64    | <b>ven 19.31</b>   | <b>264</b>     | <b>75</b> | ven 20.31        | 270 | 86               | 393           |           |           |     |    |      |
|                     |             |             |             |                  | G3881.0579 Dra - II | ven 18.52         | 138       | 36    | <b>ven 19.52</b>   | <b>142</b>     | <b>28</b> | ven 20.52        | 148 | 22               | -124          |           |           |     |    |      |
|                     |             |             |             |                  | EZ Lac - I          | ven 20.37         | 131       | 74    | <b>ven 21.37</b>   | <b>123</b>     | <b>65</b> | ven 22.37        | 122 | 55               | 277           |           |           |     |    |      |
| V473 And - II       | ven 23.20   | 102         | 63          | <b>sab 00.20</b> | <b>108</b>          | <b>52</b>         | sab 01.20 | 114   | 42                 | 392            |           |                  |     |                  |               |           |           |     |    |      |
| V423 Tau - I        | sab 00.22   | 236         | 67          | <b>sab 01.22</b> | <b>226</b>          | <b>75</b>         | sab 02.22 | 187   | 81                 | 254            |           |                  |     |                  |               |           |           |     |    |      |
| sab 27-10-12        | 17.04       | 17.37       | 03.55       | 04.27            | G1518.0913 Her - I  | sab 16.10         | 78        | 45    | <b>sab 17.10</b>   | <b>89</b>      | <b>34</b> | sab 18.10        | 99  | 23               | -332          |           |           |     |    |      |
|                     |             |             |             |                  | V556 Lyr - II       | sab 16.22         | 39        | 83    | <b>sab 17.22</b>   | <b>76</b>      | <b>73</b> | sab 18.22        | 90  | 62               | -10           |           |           |     |    |      |
|                     |             |             |             |                  | V1106 Her - I       | sab 17.22         | 75        | 54    | <b>sab 18.22</b>   | <b>87</b>      | <b>43</b> | sab 19.22        | 97  | 32               | -162          |           |           |     |    |      |
|                     |             |             |             |                  | G3881.0579 Dra - II | sab 18.34         | 137       | 37    | <b>sab 19.34</b>   | <b>141</b>     | <b>30</b> | sab 20.34        | 147 | 23               | -124          |           |           |     |    |      |
|                     |             |             |             |                  | V473 And - II       | sab 18.36         | 259       | 65    | <b>sab 19.36</b>   | <b>264</b>     | <b>76</b> | sab 20.36        | 272 | 88               | 391           |           |           |     |    |      |
|                     |             |             |             |                  | FU Lac - I          | sab 18.37         | 165       | 88    | <b>sab 19.37</b>   | <b>104</b>     | <b>78</b> | sab 20.37        | 105 | 68               | 239           |           |           |     |    |      |
|                     |             |             |             |                  | V473 And - I        | sab 23.25         | 103       | 61    | <b>dom 00.25</b>   | <b>109</b>     | <b>50</b> | dom 01.25        | 115 | 40               | 391           |           |           |     |    |      |
|                     |             |             |             |                  | V423 Tau - II       | dom 00.55         | 124       | 49    | <b>dom 01.55</b>   | <b>127</b>     | <b>40</b> | dom 02.55        | 132 | 32               | 360           |           |           |     |    |      |

| Day          | Sun<br>-12° | Sun<br>-18° | Sun<br>-18° | Sun<br>-12° | Star Name           | 1h before<br>Min. | Azi        | Alt       | Time of<br>minimum | Azi        | Alt       | 1h after<br>Min. | Azi | Alt | Helio<br>Corr |
|--------------|-------------|-------------|-------------|-------------|---------------------|-------------------|------------|-----------|--------------------|------------|-----------|------------------|-----|-----|---------------|
| dom 28-10-12 | 17.03       | 17.35       | 03.56       | 04.28       | V423 Tau - II       | dom 17.17         | 237        | 52        | <b>dom 18.17</b>   | <b>238</b> | <b>62</b> | dom 19.17        | 233 | 71  | 359           |
|              |             |             |             |             | V1106 Her - I       | dom 17.48         | 82         | 49        | <b>dom 18.48</b>   | <b>93</b>  | <b>38</b> | dom 19.48        | 102 | 27  | -167          |
|              |             |             |             |             | G3881.0579 Dra - II | dom 18.17         | 136        | 39        | <b>dom 19.17</b>   | <b>140</b> | <b>32</b> | dom 20.17        | 145 | 25  | -124          |
|              |             |             |             |             | V473 And - I        | dom 18.41         | 260        | 67        | <b>dom 19.41</b>   | <b>265</b> | <b>78</b> | dom 20.41        | 280 | 89  | 390           |
|              |             |             |             |             | V1072 Her - II      | dom 19.27         | 126        | 40        | <b>dom 20.27</b>   | <b>131</b> | <b>31</b> | dom 21.27        | 137 | 23  | -86           |
|              |             |             |             |             | FU Lac - II         | dom 22.05         | 112        | 51        | <b>dom 23.05</b>   | <b>117</b> | <b>41</b> | lun 00.05        | 123 | 31  | 235           |
|              |             |             |             |             | V473 And - II       | dom 23.30         | 104        | 60        | <b>lun 00.30</b>   | <b>110</b> | <b>49</b> | lun 01.30        | 116 | 39  | 389           |
|              |             |             |             |             | VV Eri - I          | lun 00.46         | 25         | 56        | <b>lun 01.46</b>   | <b>47</b>  | <b>49</b> | lun 02.46        | 64  | 40  | 475           |
|              |             |             |             |             | V423 Tau - I        | lun 01.28         | 221        | 77        | <b>lun 02.28</b>   | <b>173</b> | <b>81</b> | lun 03.28        | 134 | 75  | 267           |
| lun 29-10-12 | 17.02       | 17.34       | 03.57       | 04.29       | V1072 Her - I       | lun 16.37         | 120        | 66        | <b>lun 17.37</b>   | <b>120</b> | <b>56</b> | lun 18.37        | 123 | 47  | -87           |
|              |             |             |             |             | V1187 Cyg - I       | lun 17.12         | 92         | 85        | <b>lun 18.12</b>   | <b>97</b>  | <b>73</b> | lun 19.12        | 103 | 62  | 77            |
|              |             |             |             |             | V423 Tau - I        | <b>lun 17.50</b>  | <b>211</b> | <b>14</b> | <b>lun 18.50</b>   | <b>218</b> | <b>20</b> | lun 19.50        | 225 | 28  | 271           |
|              |             |             |             |             | G3881.0579 Dra - II | lun 18.00         | 135        | 41        | <b>lun 19.00</b>   | <b>139</b> | <b>33</b> | lun 20.00        | 144 | 26  | -124          |
|              |             |             |             |             | V1106 Her - I       | lun 18.15         | 88         | 43        | <b>lun 19.15</b>   | <b>97</b>  | <b>32</b> | lun 20.15        | 106 | 21  | -172          |
|              |             |             |             |             | V473 And - II       | lun 18.46         | 261        | 69        | <b>lun 19.46</b>   | <b>266</b> | <b>80</b> | lun 20.46        | 81  | 89  | 388           |
|              |             |             |             |             | VV Eri - II         | <b>lun 19.27</b>  | <b>279</b> | <b>25</b> | <b>lun 20.27</b>   | <b>291</b> | <b>36</b> | lun 21.27        | 306 | 46  | 477           |
|              |             |             |             |             | BW Peg - II         | lun 22.17         | 90         | 34        | <b>lun 23.17</b>   | <b>99</b>  | <b>22</b> | mar 00.17        | 109 | 12  | 196           |
|              |             |             |             |             | V473 And - I        | lun 23.35         | 105        | 58        | <b>mar 00.35</b>   | <b>110</b> | <b>47</b> | mar 01.35        | 116 | 37  | 387           |
|              |             |             |             |             | CQ Ori - I          | mar 01.55         | 334        | 60        | <b>mar 02.55</b>   | <b>4</b>   | <b>62</b> | mar 03.55        | 33  | 58  | 254           |
|              |             |             |             |             | V423 Tau - II       | mar 02.01         | 128        | 38        | <b>mar 03.01</b>   | <b>134</b> | <b>30</b> | mar 04.01        | 140 | 22  | 358           |
| mar 30-10-12 | 17.00       | 17.33       | 03.58       | 04.30       | BW Peg - I          | mar 17.17         | 333        | 68        | <b>mar 18.17</b>   | <b>12</b>  | <b>69</b> | mar 19.17        | 45  | 64  | 191           |
|              |             |             |             |             | G3881.0579 Dra - II | mar 17.43         | 135        | 43        | <b>mar 18.43</b>   | <b>138</b> | <b>35</b> | mar 19.43        | 143 | 28  | -124          |
|              |             |             |             |             | V423 Tau - II       | mar 18.22         | 237        | 64        | <b>mar 19.22</b>   | <b>231</b> | <b>73</b> | mar 20.22        | 202 | 80  | 358           |
|              |             |             |             |             | V1106 Her - I       | mar 18.41         | 93         | 38        | <b>mar 19.41</b>   | <b>102</b> | <b>27</b> | mar 20.41        | 111 | 16  | -177          |
|              |             |             |             |             | V473 And - I        | mar 18.51         | 261        | 70        | <b>mar 19.51</b>   | <b>267</b> | <b>81</b> | mar 20.51        | 88  | 87  | 386           |
|              |             |             |             |             | V473 And - II       | mar 23.40         | 106        | 56        | <b>mer 00.40</b>   | <b>111</b> | <b>46</b> | mer 01.40        | 117 | 36  | 386           |
|              |             |             |             |             | EZ Lac - II         | mer 01.06         | 133        | 31        | <b>mer 02.06</b>   | <b>139</b> | <b>23</b> | mer 03.06        | 146 | 16  | 268           |
|              |             |             |             |             | V423 Tau - I        | mer 02.33         | 161        | 80        | <b>mer 03.33</b>   | <b>130</b> | <b>74</b> | mer 04.33        | 123 | 64  | 279           |
| mer 31-10-12 | 16.59       | 17.32       | 03.59       | 04.31       | V1106 Her - II      | mer 16.04         | 57         | 65        | <b>mer 17.04</b>   | <b>75</b>  | <b>55</b> | mer 18.04        | 87  | 44  | -181          |
|              |             |             |             |             | V691 Her - I        | mer 16.07         | 77         | 39        | <b>mer 17.07</b>   | <b>88</b>  | <b>28</b> | mer 18.07        | 98  | 17  | -364          |
|              |             |             |             |             | G1518.0913 Her - II | mer 16.32         | 85         | 38        | <b>mer 17.32</b>   | <b>95</b>  | <b>27</b> | mer 18.32        | 105 | 16  | -341          |
|              |             |             |             |             | G3881.0579 Dra - II | mer 17.25         | 134        | 44        | <b>mer 18.25</b>   | <b>137</b> | <b>37</b> | mer 19.25        | 142 | 29  | -123          |
|              |             |             |             |             | V1072 Her - II      | mer 18.01         | 121        | 51        | <b>mer 19.01</b>   | <b>125</b> | <b>42</b> | mer 20.01        | 130 | 33  | -91           |
|              |             |             |             |             | V423 Tau - I        | <b>mer 18.55</b>  | <b>220</b> | <b>22</b> | <b>mer 19.55</b>   | <b>226</b> | <b>29</b> | mer 20.55        | 231 | 38  | 283           |
|              |             |             |             |             | V473 And - II       | mer 18.56         | 262        | 72        | <b>mer 19.56</b>   | <b>268</b> | <b>83</b> | mer 20.56        | 90  | 86  | 384           |
|              |             |             |             |             | V1106 Her - I       | mer 19.08         | 97         | 32        | <b>mer 20.08</b>   | <b>106</b> | <b>21</b> | mer 21.08        | 115 | 11  | -182          |
|              |             |             |             |             | V473 And - I        | mer 23.45         | 106        | 55        | <b>gio 00.45</b>   | <b>112</b> | <b>44</b> | gio 01.45        | 118 | 34  | 384           |
|              |             |             |             |             | V423 Tau - II       | <b>gio 03.06</b>  | <b>135</b> | <b>28</b> | <b>gio 04.06</b>   | <b>141</b> | <b>20</b> | gio 05.06        | 149 | 14  | 356           |
| gio 01-11-12 | 16.58       | 17.31       | 04.00       | 04.33       | V1106 Her - II      | gio 16.31         | 67         | 60        | <b>gio 17.31</b>   | <b>82</b>  | <b>49</b> | gio 18.31        | 92  | 38  | -186          |
|              |             |             |             |             | G3881.0579 Dra - II | gio 17.08         | 133        | 46        | <b>gio 18.08</b>   | <b>136</b> | <b>38</b> | gio 19.08        | 141 | 31  | -123          |
|              |             |             |             |             | V1187 Cyg - I       | gio 17.32         | 95         | 79        | <b>gio 18.32</b>   | <b>100</b> | <b>68</b> | gio 19.32        | 106 | 57  | 65            |
|              |             |             |             |             | QQ Lyr - II         | gio 18.22         | 87         | 55        | <b>gio 19.22</b>   | <b>96</b>  | <b>44</b> | gio 20.22        | 105 | 33  | -54           |
|              |             |             |             |             | V473 And - I        | gio 19.01         | 263        | 73        | <b>gio 20.01</b>   | <b>269</b> | <b>85</b> | gio 21.01        | 91  | 84  | 382           |
|              |             |             |             |             | V423 Tau - II       | gio 19.28         | 227        | 75        | <b>gio 20.28</b>   | <b>190</b> | <b>81</b> | gio 21.28        | 141 | 78  | 356           |
|              |             |             |             |             | VV Eri - II         | gio 22.13         | 325        | 54        | <b>gio 23.13</b>   | <b>350</b> | <b>58</b> | ven 00.13        | 18  | 57  | 482           |
|              |             |             |             |             | V473 And - II       | gio 23.50         | 107        | 53        | <b>ven 00.50</b>   | <b>113</b> | <b>43</b> | ven 01.50        | 119 | 33  | 381           |
| ven 02-11-12 | 16.57       | 17.30       | 04.01       | 04.34       | G3881.0579 Dra - II | ven 16.51         | 133        | 48        | <b>ven 17.51</b>   | <b>136</b> | <b>40</b> | ven 18.51        | 140 | 32  | -123          |
|              |             |             |             |             | V1106 Her - II      | ven 16.57         | 75         | 55        | <b>ven 17.57</b>   | <b>87</b>  | <b>44</b> | ven 18.57        | 97  | 32  | -190          |
|              |             |             |             |             | V473 And - II       | ven 19.06         | 264        | 75        | <b>ven 20.06</b>   | <b>270</b> | <b>86</b> | ven 21.06        | 92  | 83  | 380           |
|              |             |             |             |             | V1072 Her - I       | ven 19.24         | 127        | 37        | <b>ven 20.24</b>   | <b>133</b> | <b>28</b> | ven 21.24        | 139 | 21  | -95           |
|              |             |             |             |             | V423 Tau - I        | ven 20.01         | 227        | 31        | <b>ven 21.01</b>   | <b>232</b> | <b>40</b> | ven 22.01        | 236 | 49  | 294           |
|              |             |             |             |             | EZ Lac - II         | ven 20.04         | 132        | 75        | <b>ven 21.04</b>   | <b>123</b> | <b>66</b> | ven 22.04        | 122 | 56  | 261           |
|              |             |             |             |             | BW Peg - I          | ven 21.19         | 82         | 41        | <b>ven 22.19</b>   | <b>93</b>  | <b>30</b> | ven 23.19        | 102 | 19  | 170           |
|              |             |             |             |             | V473 And - I        | ven 23.55         | 108        | 52        | <b>sab 00.55</b>   | <b>114</b> | <b>41</b> | sab 01.55        | 120 | 31  | 379           |
| sab 03-11-12 | 16.56       | 17.28       | 04.02       | 04.35       | BW Peg - II         | sab 16.20         | 313        | 63        | <b>sab 17.20</b>   | <b>344</b> | <b>69</b> | sab 18.20        | 23  | 68  | 165           |
|              |             |             |             |             | G3881.0579 Dra - II | sab 16.33         | 133        | 50        | <b>sab 17.33</b>   | <b>135</b> | <b>42</b> | sab 18.33        | 139 | 34  | -122          |
|              |             |             |             |             | V1072 Her - II      | sab 16.34         | 119        | 63        | <b>sab 17.34</b>   | <b>120</b> | <b>54</b> | sab 18.34        | 124 | 44  | -97           |
|              |             |             |             |             | V1106 Her - II      | sab 17.24         | 82         | 49        | <b>sab 18.24</b>   | <b>92</b>  | <b>38</b> | sab 19.24        | 102 | 27  | -195          |
|              |             |             |             |             | V473 And - I        | sab 19.10         | 265        | 77        | <b>sab 20.10</b>   | <b>273</b> | <b>88</b> | sab 21.10        | 93  | 81  | 377           |
|              |             |             |             |             | V423 Tau - II       | sab 20.34         | 176        | 81        | <b>sab 21.34</b>   | <b>135</b> | <b>76</b> | sab 22.34        | 124 | 67  | 353           |
|              |             |             |             |             | V473 And - II       | sab 23.59         | 109        | 50        | <b>dom 00.59</b>   | <b>115</b> | <b>40</b> | dom 01.59        | 121 | 30  | 377           |
| dom 04-11-12 | 16.55       | 17.27       | 04.03       | 04.36       | G3881.0579 Dra - II | dom 16.16         | 133        | 52        | <b>dom 17.16</b>   | <b>134</b> | <b>44</b> | dom 18.16        | 138 | 36  | -122          |
|              |             |             |             |             | G1518.0913 Her - I  | dom 16.53         | 92         | 31        | <b>dom 17.53</b>   | <b>101</b> | <b>20</b> | dom 18.53        | 111 | 10  | -349          |
|              |             |             |             |             | V1106 Her - II      | dom 17.50         | 87         | 43        | <b>dom 18.50</b>   | <b>97</b>  | <b>32</b> | dom 19.50        | 106 | 21  | -200          |
|              |             |             |             |             | V1187 Cyg - I       | dom 17.52         | 98         | 73        | <b>dom 18.52</b>   | <b>103</b> | <b>62</b> | dom 19.52        | 109 | 51  | 51            |

| Day | Sun<br>-12° | Sun<br>-18° | Sun<br>-18° | Sun<br>-12° | Star Name     | 1h before<br>Min. | Azi | Alt | <b>Time of<br/>minimum</b> | <b>Azi</b> | <b>Alt</b> | 1h after Min. | Azi | Alt | Helio<br>Corr |
|-----|-------------|-------------|-------------|-------------|---------------|-------------------|-----|-----|----------------------------|------------|------------|---------------|-----|-----|---------------|
|     |             |             |             |             | FU Lac - II   | dom 18.54         | 106 | 80  | <b>dom 19.54</b>           | <b>105</b> | <b>70</b>  | dom 20.54     | 108 | 59  | 209           |
|     |             |             |             |             | V473 And - II | dom 19.15         | 265 | 78  | <b>dom 20.15</b>           | <b>288</b> | <b>90</b>  | dom 21.15     | 94  | 79  | 375           |
|     |             |             |             |             | V423 Tau - I  | dom 21.07         | 233 | 42  | <b>dom 22.07</b>           | <b>237</b> | <b>51</b>  | dom 23.07     | 238 | 60  | 306           |
|     |             |             |             |             | V473 And - I  | lun 00.04         | 110 | 49  | <b>lun 01.04</b>           | <b>116</b> | <b>38</b>  | lun 02.04     | 122 | 28  | 374           |
|     |             |             |             |             | VV Eri - II   | lun 00.59         | 41  | 52  | <b>lun 01.59</b>           | <b>59</b>  | <b>43</b>  | lun 02.59     | 73  | 33  | 486           |