怀柔基地观测周报

值班日期：2024-05-07至 2024-05-13

值班人：陈洁、汪国萍、荆帅

天气与观测情况：

日期	天气	观测（全日面）	观测（局部区）
2024-05-07	晴	完整观测	完整观测
2024-05-08	晴	完整观测	完整观测
2024-05-09	晴转多云	完整观测	完整观测
2024-05-10	阴转雨	无观测	无观测
2024-05-11	晴	完整观测	完整观测
2024-05-12	晴	完整观测	完整观测
2024-05-13	晴	完整观测	完整观测

太阳活动情况：

日期	活动区 （NOAA）	耀斑开始时间	耀斑结束时间	级别	对应活动区
2024-05-07	NOAA13660-13670	05:38 05:58	06:52 06:34	X4.5 M5.2	13663 13663
2024-05-08	NOAA13660-13670	02:16 04:20 04:37 03:38 06:44	02:36 04:49 05:28 03:46 07:10	M3.4 M3.6 X1.0 M2.0 M7.2	13668 13664 13664 13668 13664
2024-05-09	NOAA13660-13661， 13663-13670	03:07 03:23 04:44 06:03 08:30	03:23 03:49 04:55 06:31 08:45	M4.0 M4.6 M1.7 M2.3 M2.1	13664 13664 13664 13664 13663
2024-05-11	NOAA13661，13664-13672	04:28 01:10	04:51 01:39	M1.4 X5.8	13664 13664
2024-05-12	NOAA13664-13665 NOAA13667-13675	00:41	00:52	M3.2	13664
2024-05-13	NOAA13664-13665 NOAA13667-13778	01:23 04:00	01:38 04:07	M1.3 C5.0	13664 13664

本周太阳活动水平很强，观测到三个X级耀斑和多个M、C级耀斑。

仪器运行情况：

小磁场望远镜运行基本正常

35cm磁场望远镜运行正常。

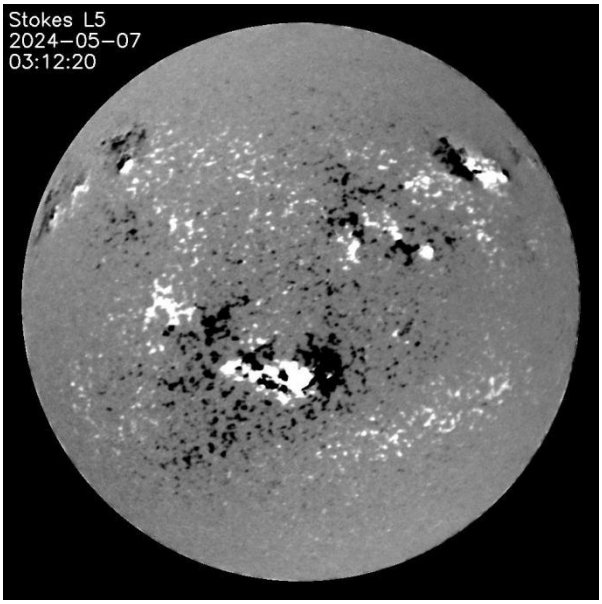
数据传输情况

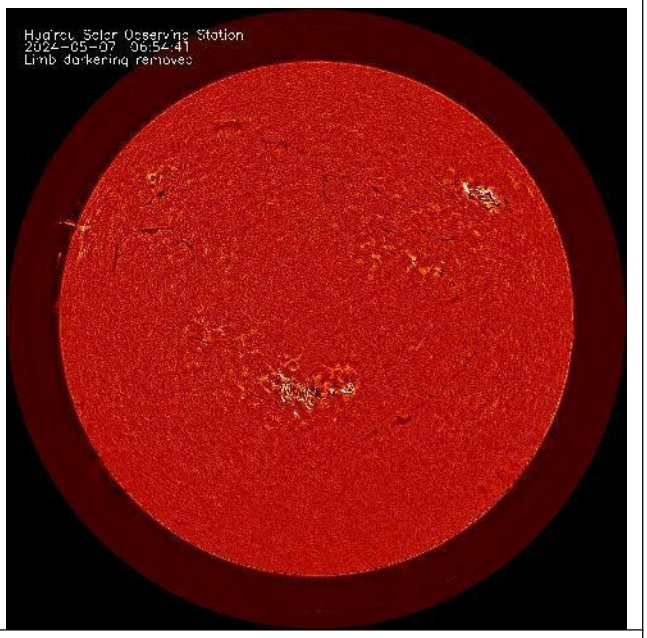
正常

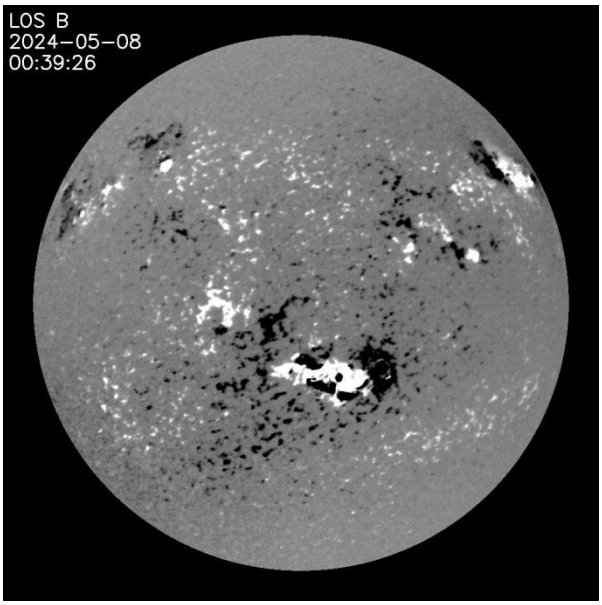
其它

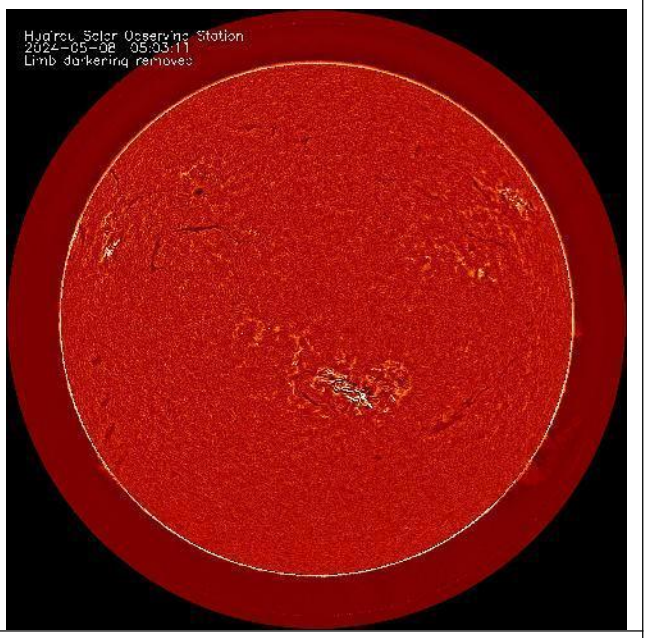
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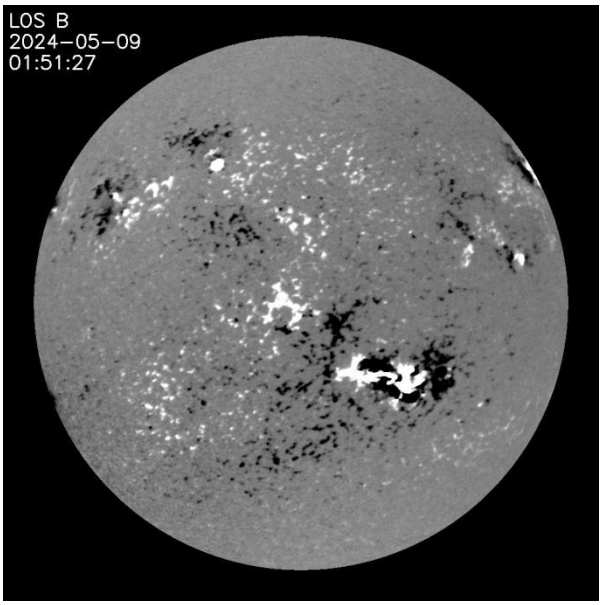
观测样本：

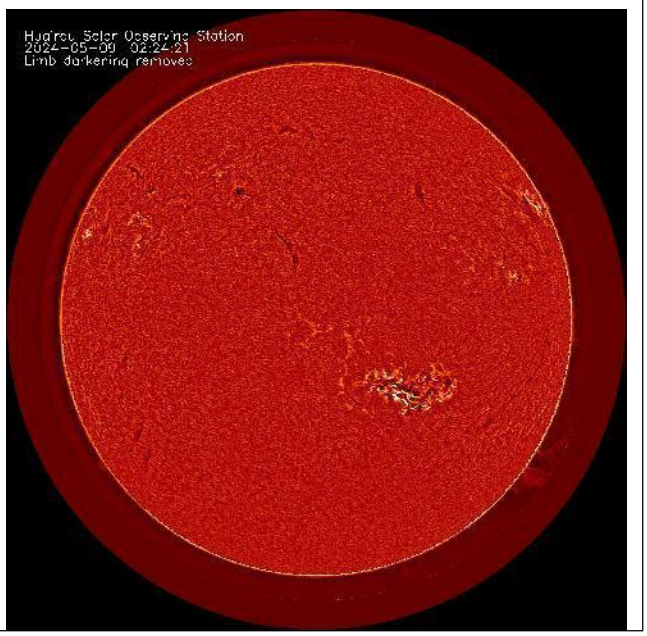

Stokes L5
2024-05-07
03:12:20

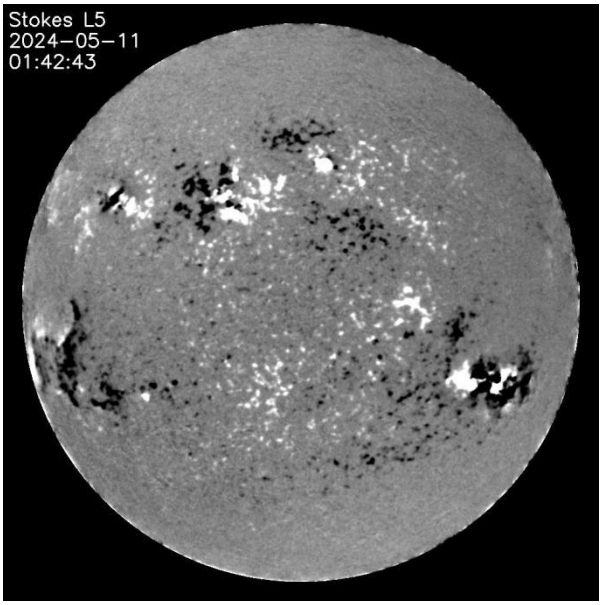

Hyaret Solar Observing Station
2024-05-07 06:54:41
Limb darkening removed

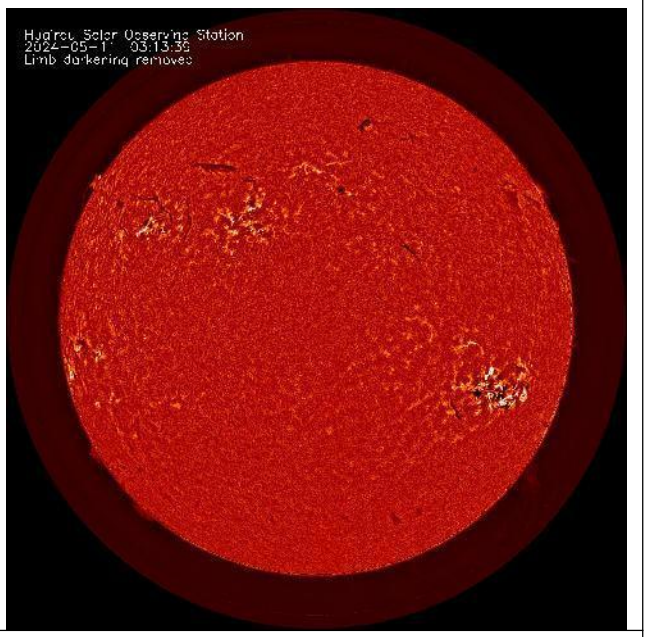

LOS B
2024-05-08
00:39:26

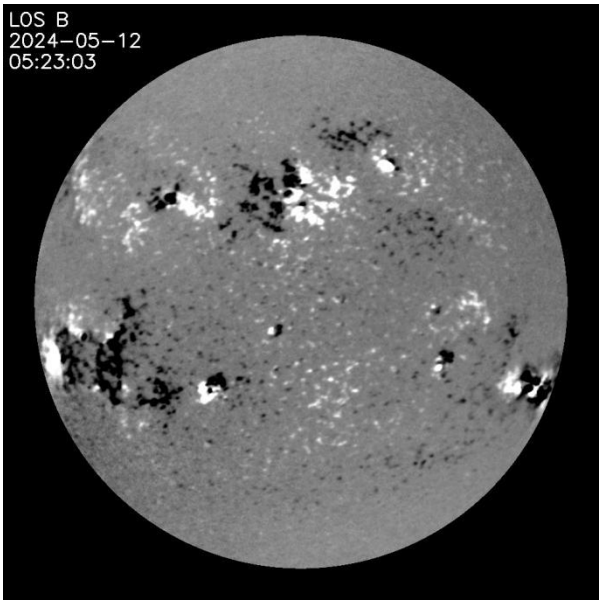

Hyaret Solar Observing Station
2024-05-08 05:03:11
Limb darkening removed

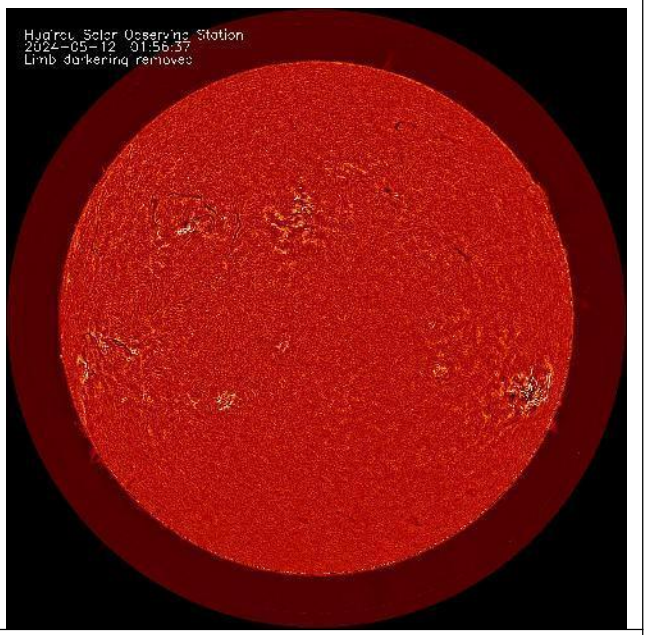

LOS B
2024-05-09
01:51:27

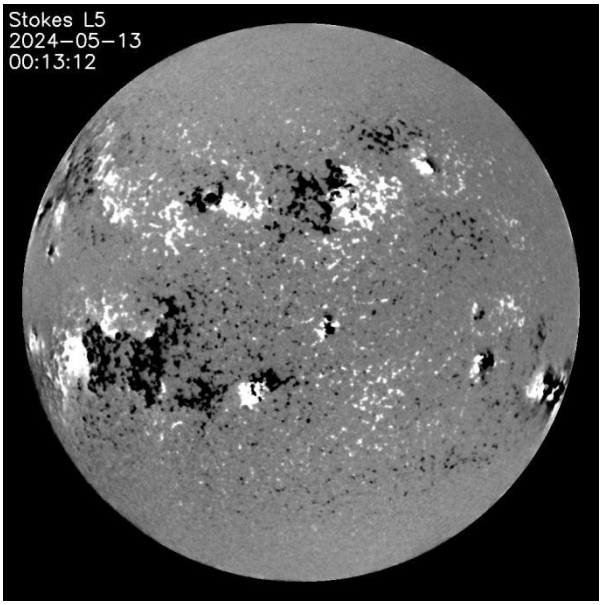

Hyaret Solar Observing Station
2024-05-09 02:24:21
Limb darkening removed

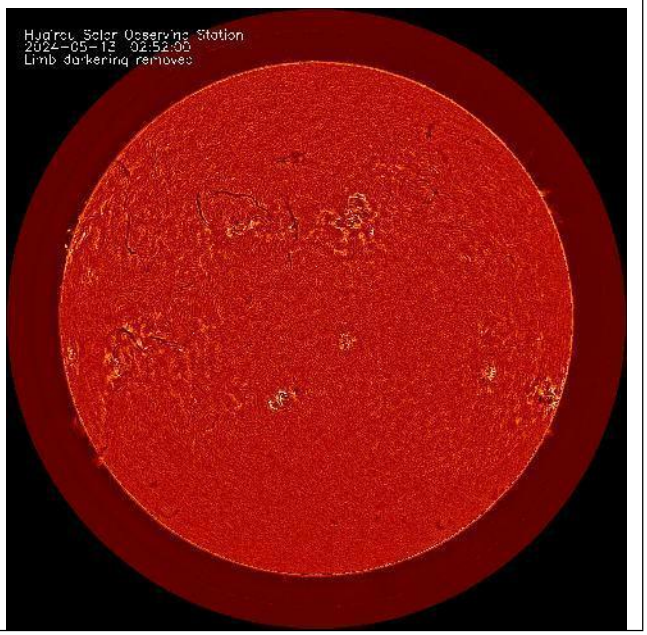

Stokes L5
2024-05-11
01:42:43


Hydrogen Solar Observing Station
2024-05-11 03:13:36
Limb darkening removed


LOS B
2024-05-12
05:23:03


Hydrogen Solar Observing Station
2024-05-12 01:56:57
Limb darkening removed


Stokes L5
2024-05-13
00:13:12


Hydrogen Solar Observing Station
2024-05-13 02:52:05
Limb darkening removed

太阳磁场望远镜观测磁场示例数据：

