**Training Handout – Quick Start Guide – SDO/AIA**

1 – Open link to [Helioviewer](https://www.helioviewer.org/): “https://www.helioviewer.org/”

1. **Expand/Set “Images”**

2 – Select Observatory: **SDO**

3 – Select Instrument: **AIA**

4 – Select Measurements: **304**

1. **Expand/Set “Observation Time”**

5 – Select Date: **2015/04/20**

6 – Select UTC: **15:00:00**

7 – Select Jump: **1 day**

8 – Step forward/backwards to observe daily progression of active regions across the solar disk

1. **Expand/Set “Features and Events”**

9 – Click “Active Regions” to take advantage of “[Heliophysics Events Knowlebase](https://www.google.com/#q=solar+HEK)”

1. **Table of Events (for the student):**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Date | UTC | Jump | Obs | Inst | Meas | Feature |
| 2012/10/23 | **03:17:03** | **1 min** | **SDO** | **AIA** | **94** | **Solar Flare {X1.8: 0313 0321 0317}** |
| 2012/07/12 | **17:00:00** | **15 min** | **SDO** | **AIA** | **131** | **Solar Flare {X1.4: 1537 1730 1649}** |
| 2015/04/20 | **15:00:00** | **1 day** | **SDO** | **AIA** | **171** | **Active Regions** |
| 2015/10/10 | **04:00:00** | **1 day** | **SDO** | **AIA** | **193** | **Coronal Hole** |
| 2015/09/10 | **15:00:00** | **1 day** | **SDO** | **AIA** | **211** | **Coronal Hole(s)** |
| 2013/05/01 | **02:30:00** | **5 min** | **SDO** | **AIA** | **304** | **Coronal Mass Ejection** |

