

```

1  # Sequence: IC 1805 + 1848
2  # Target: IC 1805 + 1848 + Pane id + Filter name
3  # Generated: 14/01/2026 15:08
4  #
5  # PaneId    Coords
6  # P(1-1)    02hr 29' 39.00"    59° 48' 39.00"
7  # P(1-2)    03hr 00' 15.00"    59° 48' 39.00"
8  # P(2-1)    02hr 28' 20.00"    62° 25' 11.00"
9  # P(2-2)    03hr 01' 35.00"    62° 25' 11.00"
10 #
11 # Filters
12 # UVIR Cut
13 # Dual Band
14 #
15 #              Count    Duration    %
16 # Total          5.63 GB    03h 28m 15s
17 # Frames          240    03h 00m 00s    86.4
18 # Autofocus        5    00h 05m 00s    2.4
19 # Platesolve        5    00h 01m 15s    0.6
20 # Settle Dither    240    00h 20m 00s    9.6
21 # Settle Filter     40    00h 00m 00s    0.0
22 # Settle Pane      20    00h 02m 00s    1.0
23
24 # Wait until 21:30 today
25 RUN "S:\SoftDev\SharpCapMosaic\bin\Debug\net8.0-windows7.0\Msg4sc.exe"
  WITH PARAMS "/w 14/01/2026 21:30:00" WAIT True
26
27 SET SWITCH "Dew Guide" TO 25
28 SET SWITCH "Dew Main" TO 50
29
30 # Custom start statements
31 UNLOCK CONTROLS
32 # End of custom statements
33
34 STILL MODE
35 MOUNT TRACKING Sidereal
36 GUIDING CONNECT ABORT False
37 GUIDING DITHER EVERY 1 FRAMES
38 COOL DOWN TO -20 RATE 10 TOLERANCE 0.1
39 SET FOCALLEN TO 250
40
41 # Horizon stop
42 STOP AT 30 FROM HORIZON
43
44 # Repeat mosaic
45 LOOP 5 TIMES
46
47   # Pane Pane 1 (1-1)
48   BEGIN GUIDING PAUSE
49   IGNORE ERRORS FROM
50     MOUNT GOTO RA=2:29.0:39.00,Dec=59:48.0:39.00
51   END IGNORE ERRORS
52   ROTATOR MOVE TO 176.69
53   DELAY 6
54   END GUIDING PAUSE
55
56   TARGETNAME "IC 1805 + 1848 P(1-1) UVIR Cut"
57
58   WHEEL MOVE TO 1
59

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60      # Autofocus (AF 2)
61
62      SET EXPOSURE TO 2
63      SET GAIN TO 300
64      CAPTURE 1 LIVE FRAMES
65      DISPLAY STRETCH AUTO
66      IGNORE ERRORS FROM
67          AUTOFOCUS OFFSET 1000 TO -1000 STEP COUNT 11 BACKLASH 20
68      SAVE FOCUSER POSITION
69      END IGNORE ERRORS
70
71      # Plate solve (PS 2)
72
73      SET EXPOSURE TO 3
74      SET GAIN TO 300
75      IGNORE ERRORS FROM
76          MOUNT SOLVEANDSYNC
77          DELAY 6
78      END IGNORE ERRORS
79
80      # Capture UVIR Cut E15 G0 F4
81
82      SET EXPOSURE TO 15
83      SET GAIN TO 0
84      CAPTURE 1 FRAMES REQUIREGUIDING True
85      DISPLAY STRETCH AUTO
86      CAPTURE 3 FRAMES REQUIREGUIDING True
87
88      TARGETNAME "IC 1805 + 1848 P(1-1) Dual Band"
89
90      WHEEL MOVE TO 2
91
92      # Autofocus using offset
93
94      IGNORE ERRORS FROM
95          FOCUSER MOVE BY 100
96      END IGNORE ERRORS
97
98      # Capture Dual Band E30 G120 F4
99
100     SET EXPOSURE TO 30
101     SET GAIN TO 120
102     CAPTURE 1 FRAMES REQUIREGUIDING True
103     DISPLAY STRETCH AUTO
104     CAPTURE 3 FRAMES REQUIREGUIDING True
105
106     TARGETNAME "IC 1805 + 1848 P(1-1) Dual Band"
107     # Capture Dual Band E90 G120 F4
108
109     SET EXPOSURE TO 90
110     SET GAIN TO 120
111     CAPTURE 1 FRAMES REQUIREGUIDING True
112     DISPLAY STRETCH AUTO
113     CAPTURE 3 FRAMES REQUIREGUIDING True
114
115     # Pane Pane 2 (1-2)
116     BEGIN GUIDING PAUSE
117     IGNORE ERRORS FROM
118         MOUNT GOTO RA=3:0.0:15.00,Dec=59:48.0:39.00
119     END IGNORE ERRORS
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```
120 ROTATOR MOVE TO 183.31
121 DELAY 6
122 END GUIDING PAUSE
123
124 TARGETNAME "IC 1805 + 1848 P(1-2) UVIR Cut"
125
126 WHEEL MOVE TO 1
127
128 # Restore focus
129
130 IGNORE ERRORS FROM
131 GOTO SAVED FOCUSER POSITION
132 END IGNORE ERRORS
133
134 # Capture UVIR Cut E15 G0 F4
135
136 SET EXPOSURE TO 15
137 SET GAIN TO 0
138 CAPTURE 1 FRAMES REQUIREGUIDING True
139 DISPLAY STRETCH AUTO
140 CAPTURE 3 FRAMES REQUIREGUIDING True
141
142 TARGETNAME "IC 1805 + 1848 P(1-2) Dual Band"
143
144 WHEEL MOVE TO 2
145
146 # Autofocus using offset
147
148 IGNORE ERRORS FROM
149 FOCUSER MOVE BY 100
150 END IGNORE ERRORS
151
152 # Capture Dual Band E30 G120 F4
153
154 SET EXPOSURE TO 30
155 SET GAIN TO 120
156 CAPTURE 1 FRAMES REQUIREGUIDING True
157 DISPLAY STRETCH AUTO
158 CAPTURE 3 FRAMES REQUIREGUIDING True
159
160 TARGETNAME "IC 1805 + 1848 P(1-2) Dual Band"
161 # Capture Dual Band E90 G120 F4
162
163 SET EXPOSURE TO 90
164 SET GAIN TO 120
165 CAPTURE 1 FRAMES REQUIREGUIDING True
166 DISPLAY STRETCH AUTO
167 CAPTURE 3 FRAMES REQUIREGUIDING True
168
169 # Pane Pane 3 (2-1)
170 BEGIN GUIDING PAUSE
171 IGNORE ERRORS FROM
172 MOUNT GOTO RA=2:28.0:20.00,Dec=62:25.0:11.00
173 END IGNORE ERRORS
174 ROTATOR MOVE TO 176.32
175 DELAY 6
176 END GUIDING PAUSE
177
178 TARGETNAME "IC 1805 + 1848 P(2-1) UVIR Cut"
179
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```
180     WHEEL MOVE TO 1
181
182     # Restore focus
183
184     IGNORE ERRORS FROM
185         GOTO SAVED FOCUSER POSITION
186     END IGNORE ERRORS
187
188     # Capture UVIR Cut E15 G0 F4
189
190     SET EXPOSURE TO 15
191     SET GAIN TO 0
192     CAPTURE 1 FRAMES REQUIREGUIDING True
193     DISPLAY STRETCH AUTO
194     CAPTURE 3 FRAMES REQUIREGUIDING True
195
196     TARGETNAME "IC 1805 + 1848 P(2-1) Dual Band"
197
198     WHEEL MOVE TO 2
199
200     # Autofocus using offset
201
202     IGNORE ERRORS FROM
203         FOCUSER MOVE BY 100
204     END IGNORE ERRORS
205
206     # Capture Dual Band E30 G120 F4
207
208     SET EXPOSURE TO 30
209     SET GAIN TO 120
210     CAPTURE 1 FRAMES REQUIREGUIDING True
211     DISPLAY STRETCH AUTO
212     CAPTURE 3 FRAMES REQUIREGUIDING True
213
214     TARGETNAME "IC 1805 + 1848 P(2-1) Dual Band"
215     # Capture Dual Band E90 G120 F4
216
217     SET EXPOSURE TO 90
218     SET GAIN TO 120
219     CAPTURE 1 FRAMES REQUIREGUIDING True
220     DISPLAY STRETCH AUTO
221     CAPTURE 3 FRAMES REQUIREGUIDING True
222
223     # Pane Pane 4 (2-2)
224     BEGIN GUIDING PAUSE
225     IGNORE ERRORS FROM
226         MOUNT GOTO RA=3:1.0:35.00,Dec=62:25.0:11.00
227     END IGNORE ERRORS
228     ROTATOR MOVE TO 183.68
229     DELAY 6
230     END GUIDING PAUSE
231
232     TARGETNAME "IC 1805 + 1848 P(2-2) UVIR Cut"
233
234     WHEEL MOVE TO 1
235
236     # Restore focus
237
238     IGNORE ERRORS FROM
239         GOTO SAVED FOCUSER POSITION
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240     END IGNORE ERRORS
241
242     # Capture UVIR Cut E15 G0 F4
243
244     SET EXPOSURE TO 15
245     SET GAIN TO 0
246     CAPTURE 1 FRAMES REQUIREGUIDING True
247     DISPLAY STRETCH AUTO
248     CAPTURE 3 FRAMES REQUIREGUIDING True
249
250     TARGETNAME "IC 1805 + 1848 P(2-2) Dual Band"
251
252     WHEEL MOVE TO 2
253
254     # Autofocus using offset
255
256     IGNORE ERRORS FROM
257         FOCUSER MOVE BY 100
258     END IGNORE ERRORS
259
260     # Capture Dual Band E30 G120 F4
261
262     SET EXPOSURE TO 30
263     SET GAIN TO 120
264     CAPTURE 1 FRAMES REQUIREGUIDING True
265     DISPLAY STRETCH AUTO
266     CAPTURE 3 FRAMES REQUIREGUIDING True
267
268     TARGETNAME "IC 1805 + 1848 P(2-2) Dual Band"
269     # Capture Dual Band E90 G120 F4
270
271     SET EXPOSURE TO 90
272     SET GAIN TO 120
273     CAPTURE 1 FRAMES REQUIREGUIDING True
274     DISPLAY STRETCH AUTO
275     CAPTURE 3 FRAMES REQUIREGUIDING True
276
277 END LOOP
278
279 END STOP AT
280
281 BEFORE SEQUENCE FINISH DO
282
283     SET COOLER OFF
284     MOUNT TRACKING None
285
286     MOUNT GOTO ALTAZ 10 270
287
288     # Custom end statements
289     SHOW NOTIFICATION Done COLOUR Green DURATION 360
290     # End of custom statements
291
292     SET SWITCH "Dew Guide" TO 0
293     SET SWITCH "Dew Main" TO 0
294     SET SWITCH "Mount" TO 0
295     DELAY 5
296
297     RUN shutdown WITH PARAMS "/s /t 60 /d p:0:0 /c Sequencer" WAIT False
298
299     PROMPT "PC will shutdown in 60 seconds after this message appearing.

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```
300
301     RUN shutdown WITH PARAMS "/a" WAIT False
302
303 END DO
304
305 END UNLOCK
306
```