HUT

Memo: WPB 95-3.1
Date: March 23, 1995

TO: HUT Science Team

FROM: Bill Blair Bill

SUBJECT: As Flown Materials from Astro-2 Mission

In an effort to provide some reference materials for us all as we begin to wade through our data from Astro-2, here are a) an "as-flown" limbram plot for >30 hours, and b) the "as-flown" SCIPLAN file, including nominal start/stop times for each pointing interval.

These data are not perfect, but should provide a useful reference for your initial data analysis. The SCIPLAN is that provided by MSFC, including all of the RRs submitted throughout the mission to actually plan the observations. In addition, I have hand-edited in the OCRs that affected actual observations in the HUT blocks beyond 30 hours AMET. I am not 100% certain that any OCRs by the other teams have been included at this point, so if you find errors, please let me know. Also, I have NOT attempted to try and recreate the "actual" pointings prior to 30 hours, which basically constituted the "activation" portion of the timeline. The times, of course, do not take into account the acquisition times, which varied from object to object, but should correspond roughly to when we were on the various "attitudes."

For reference, launch occurred on March 2, 1995, at 6:38:13 UT, which corresponds to 1995 day 063:06:38:13. This may be helpful in conjunction with the data file names to figure out the actual times of your observations.

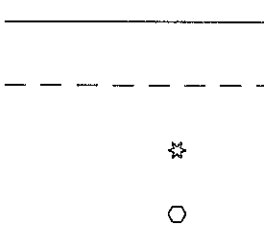
The "as flown" materials can be found in the rp account on hut4, in the mission/asflown directory. SCIPLAN.asflown is the file corresponding to the attached SCIPLAN printout. Happy data crunching!

PART 2 of 2 : LIMBRAM plot

Wed Mar 15 14:51:58 1995

Wed Mar 15 14:51:58 1995

PLOT OF IPS TARGETS FROM SCIPLAN: SCIPLAN.asflown



Angle between target and Earth limb

Angle between target and ram vector

Angle between target and Sun

Angle between target and Moon

HUT = HUT

UIT = UIT

WUPPE = WUPPE

SAA1 =

SAA4 =

VEH_MNVR = M

IPS_SLEW = IPS

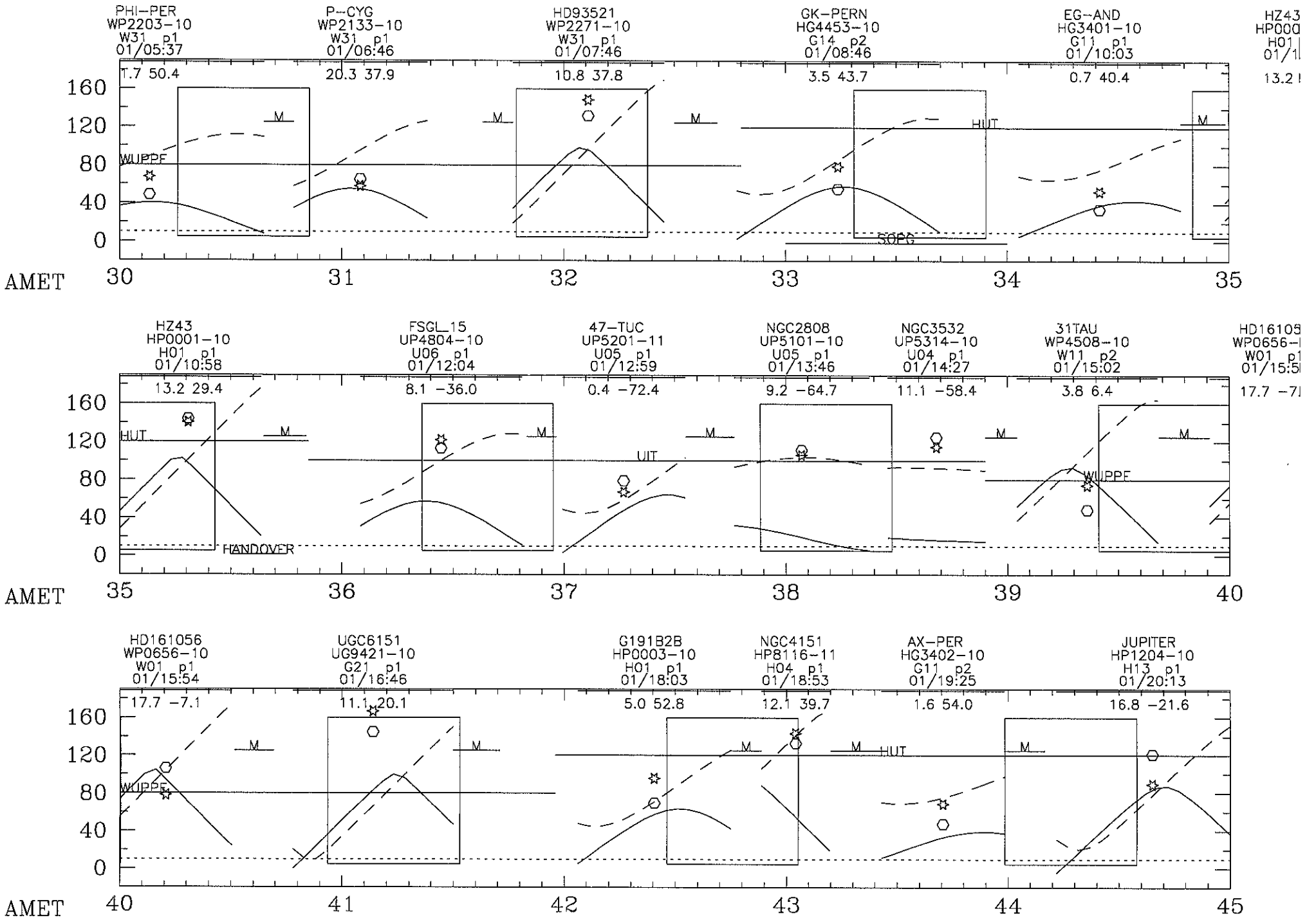
X_TIME = X

Y_TIME = Y

HANDOVER = HANDOVER

WATERDUMP = WATERDUMP

As Flown Timeline



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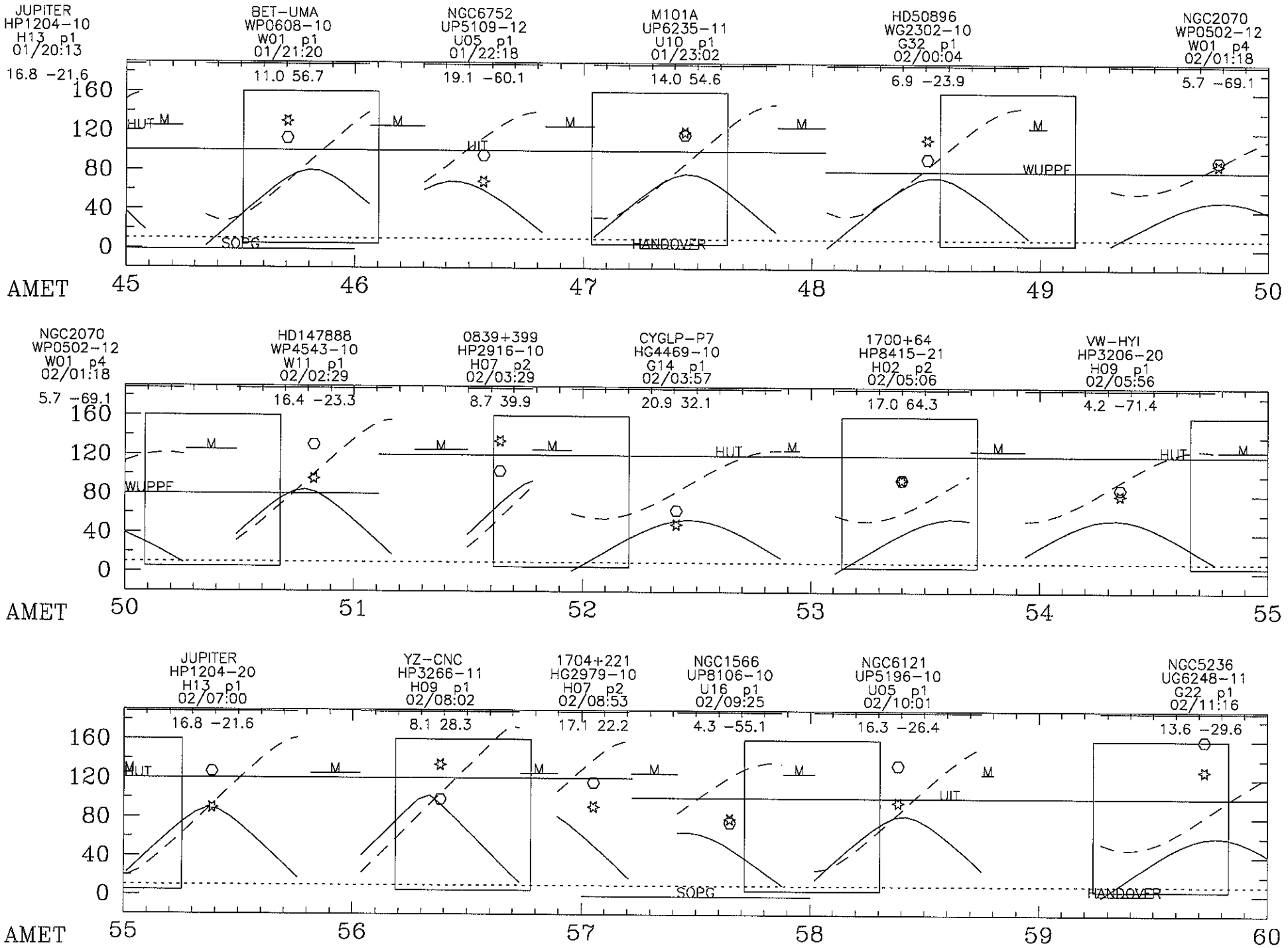

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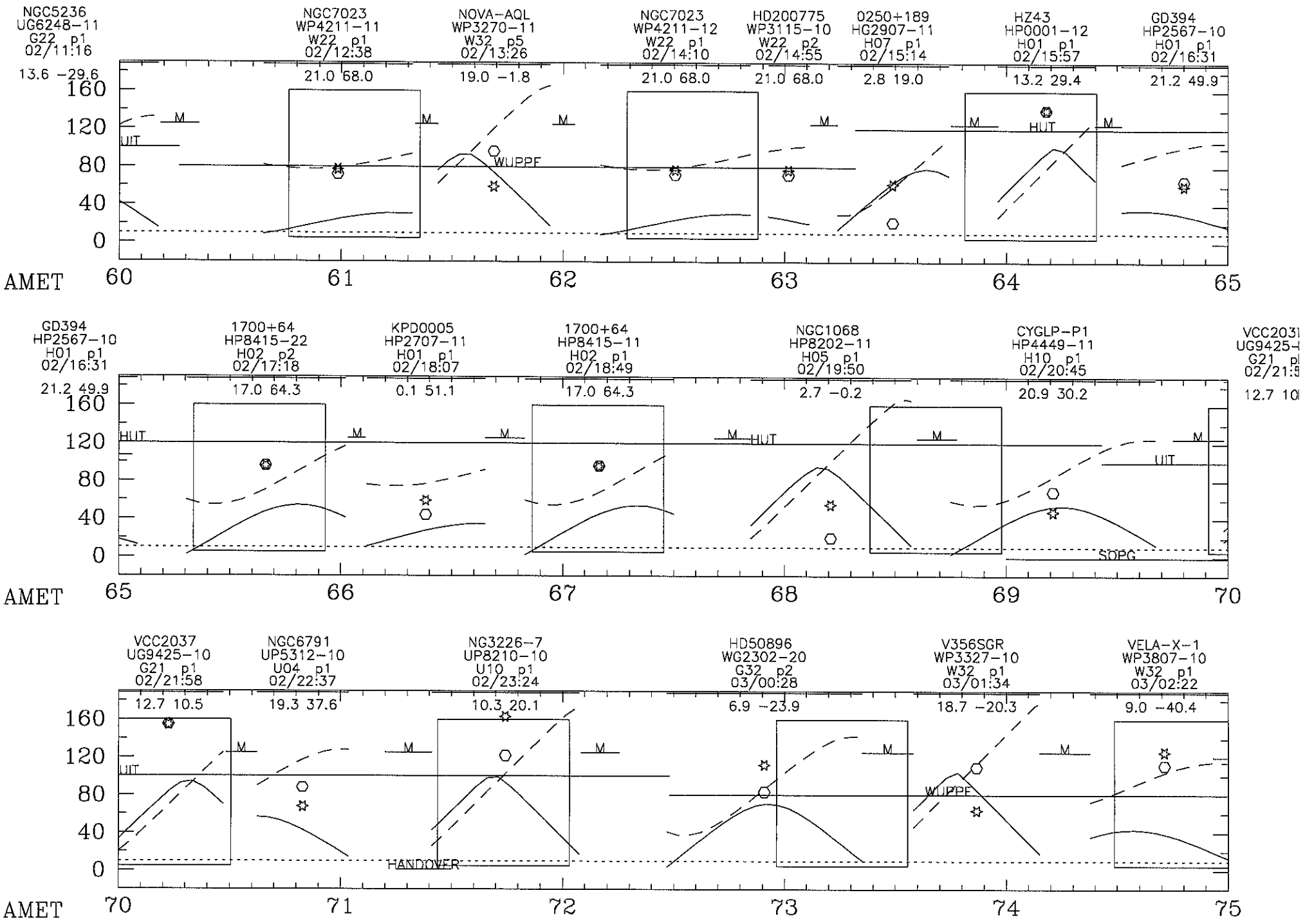

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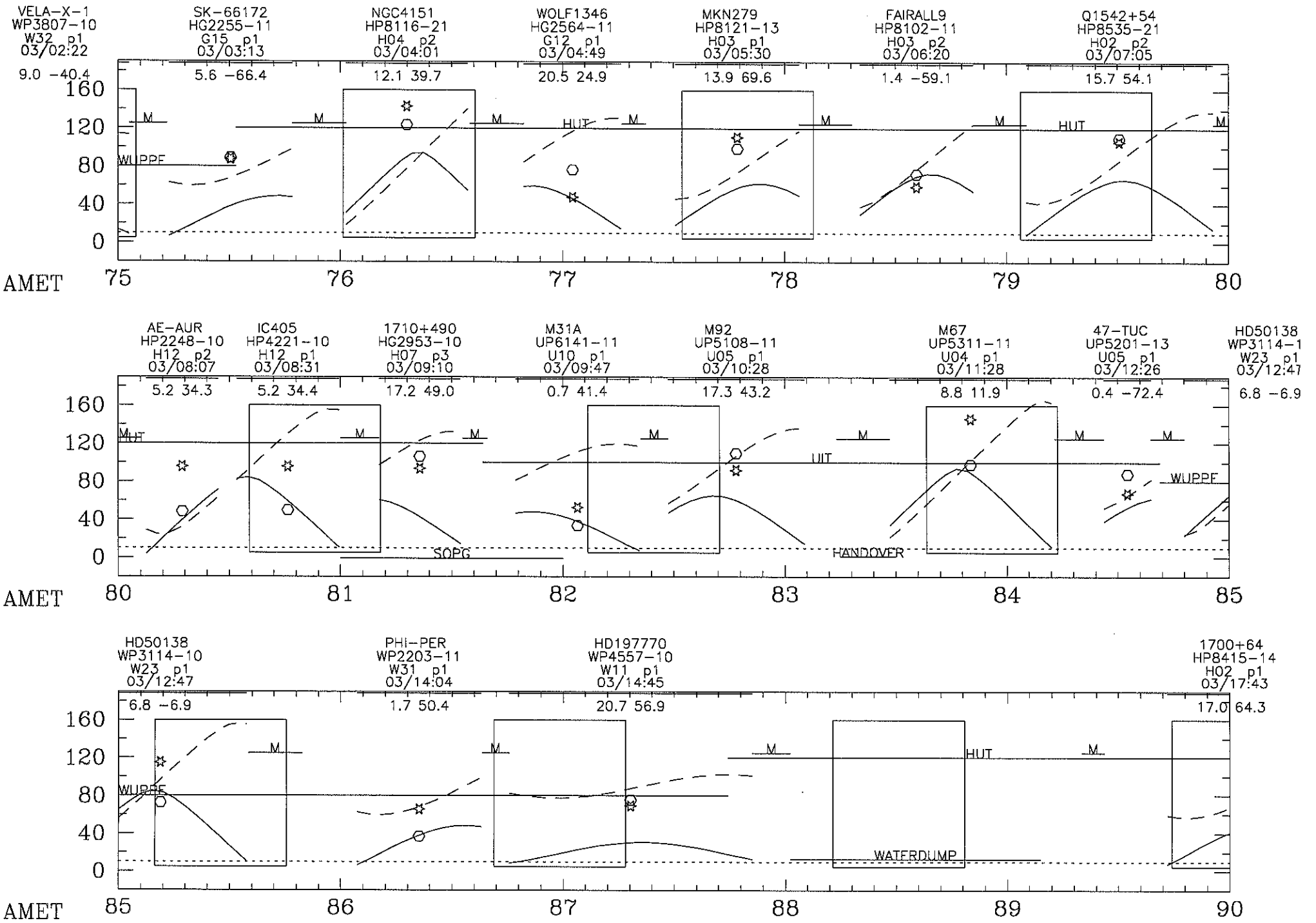

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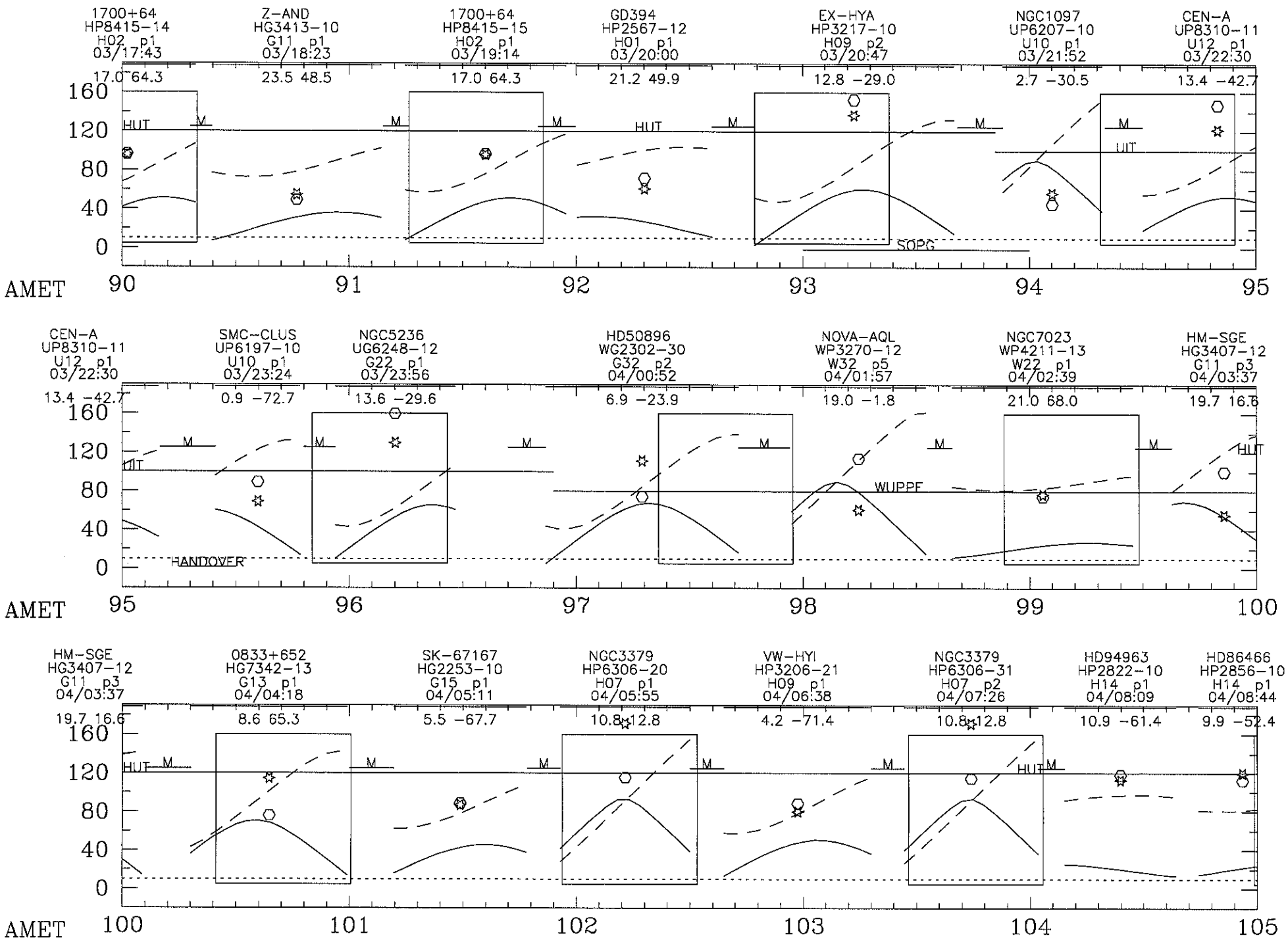

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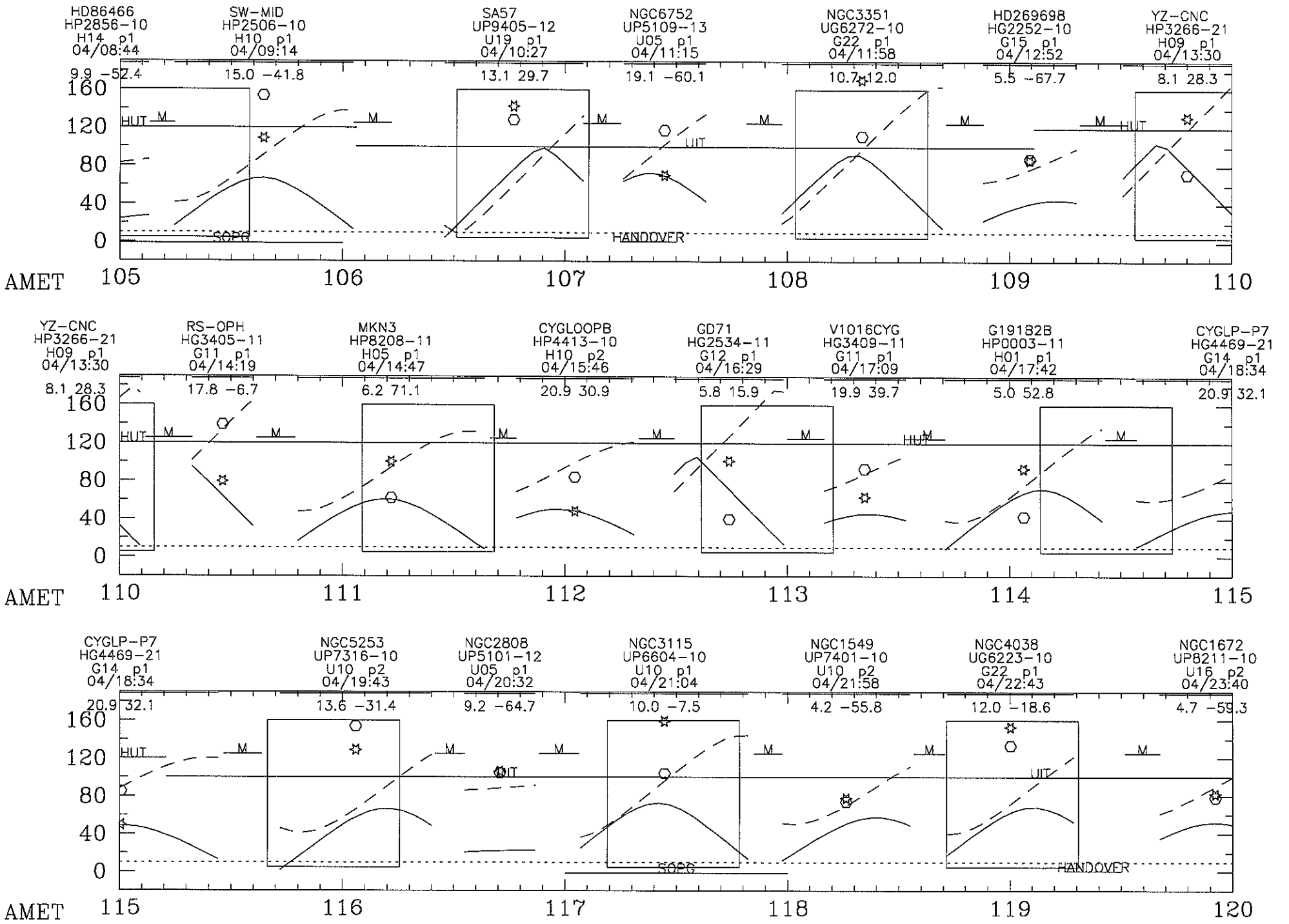

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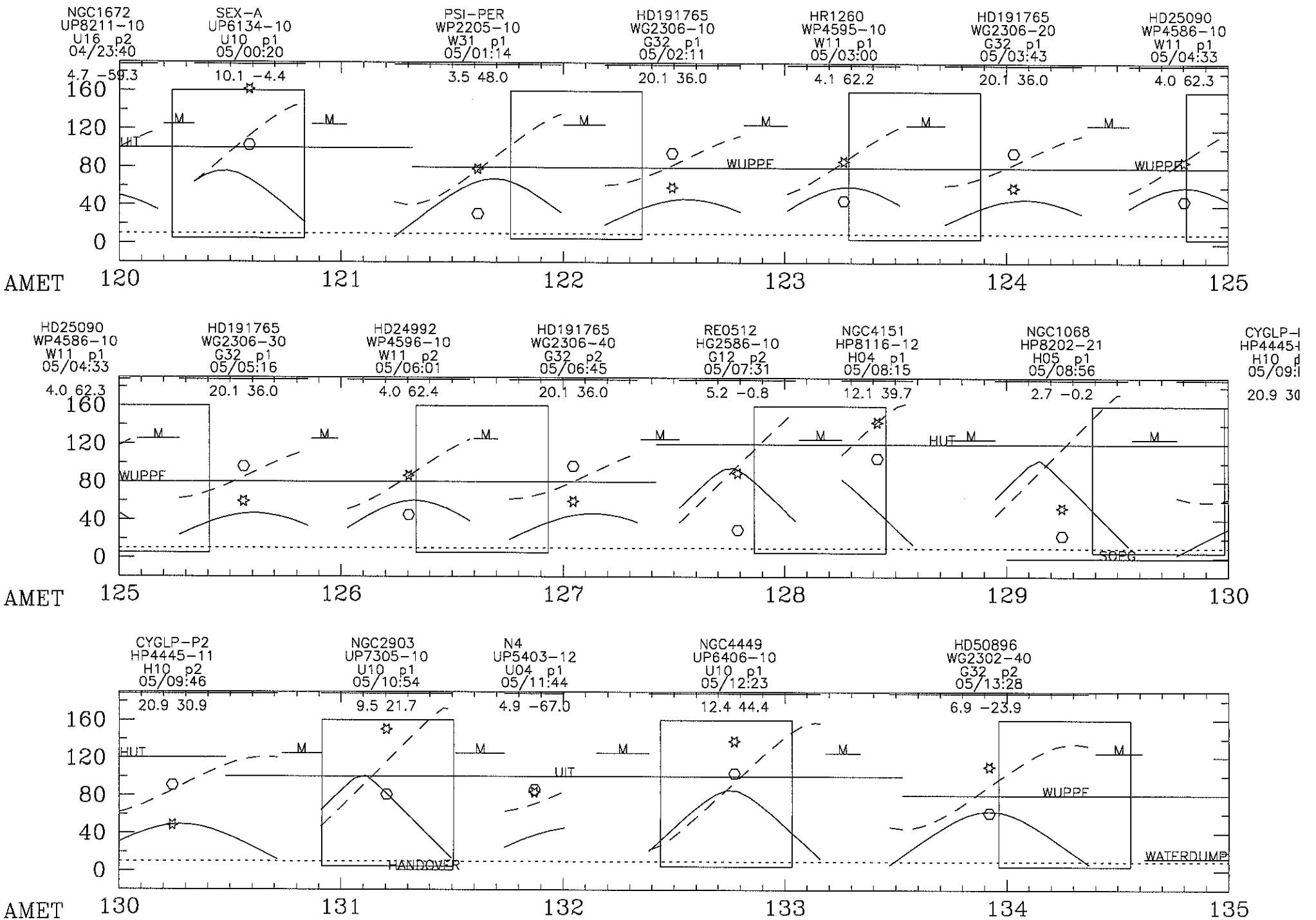

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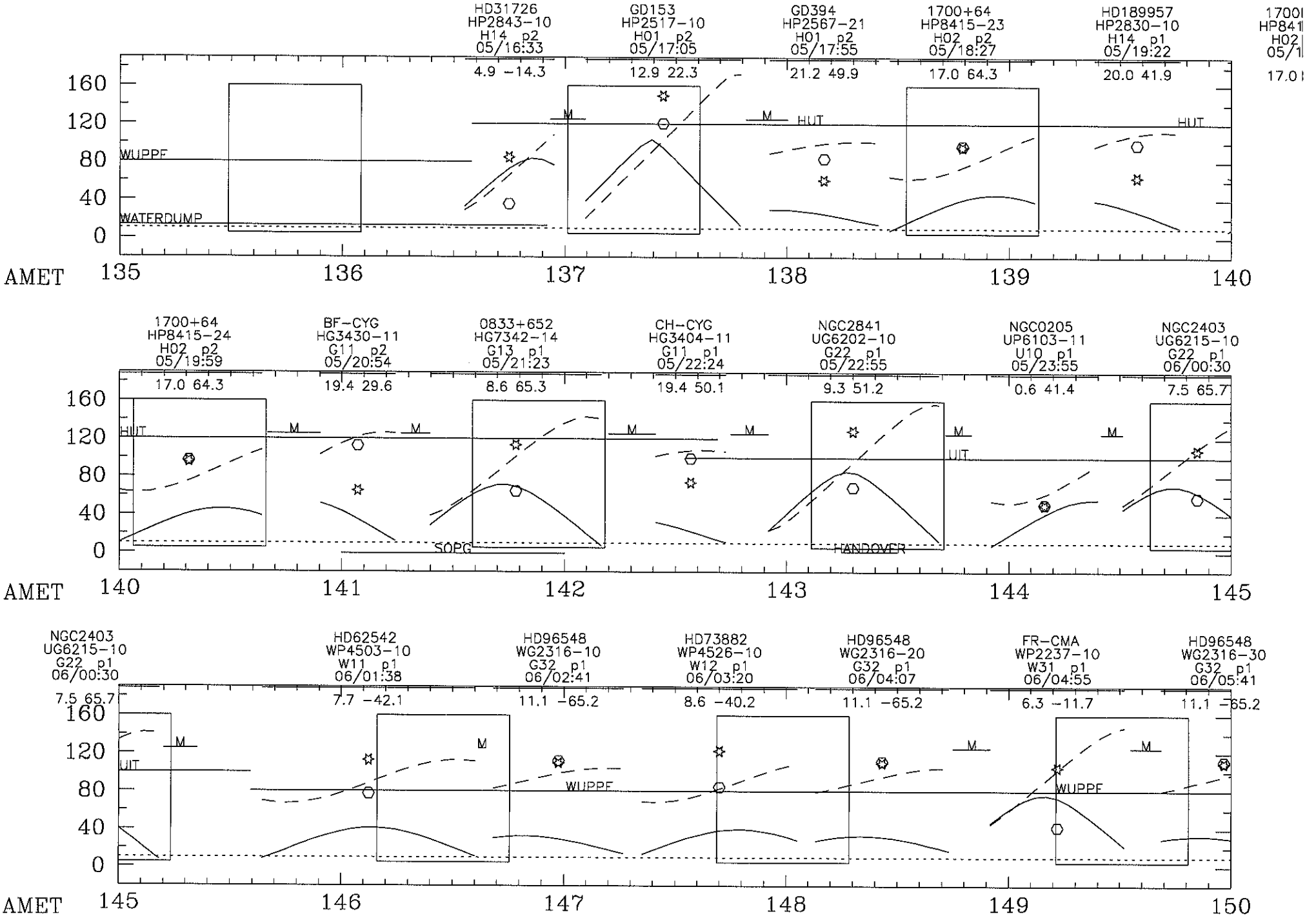

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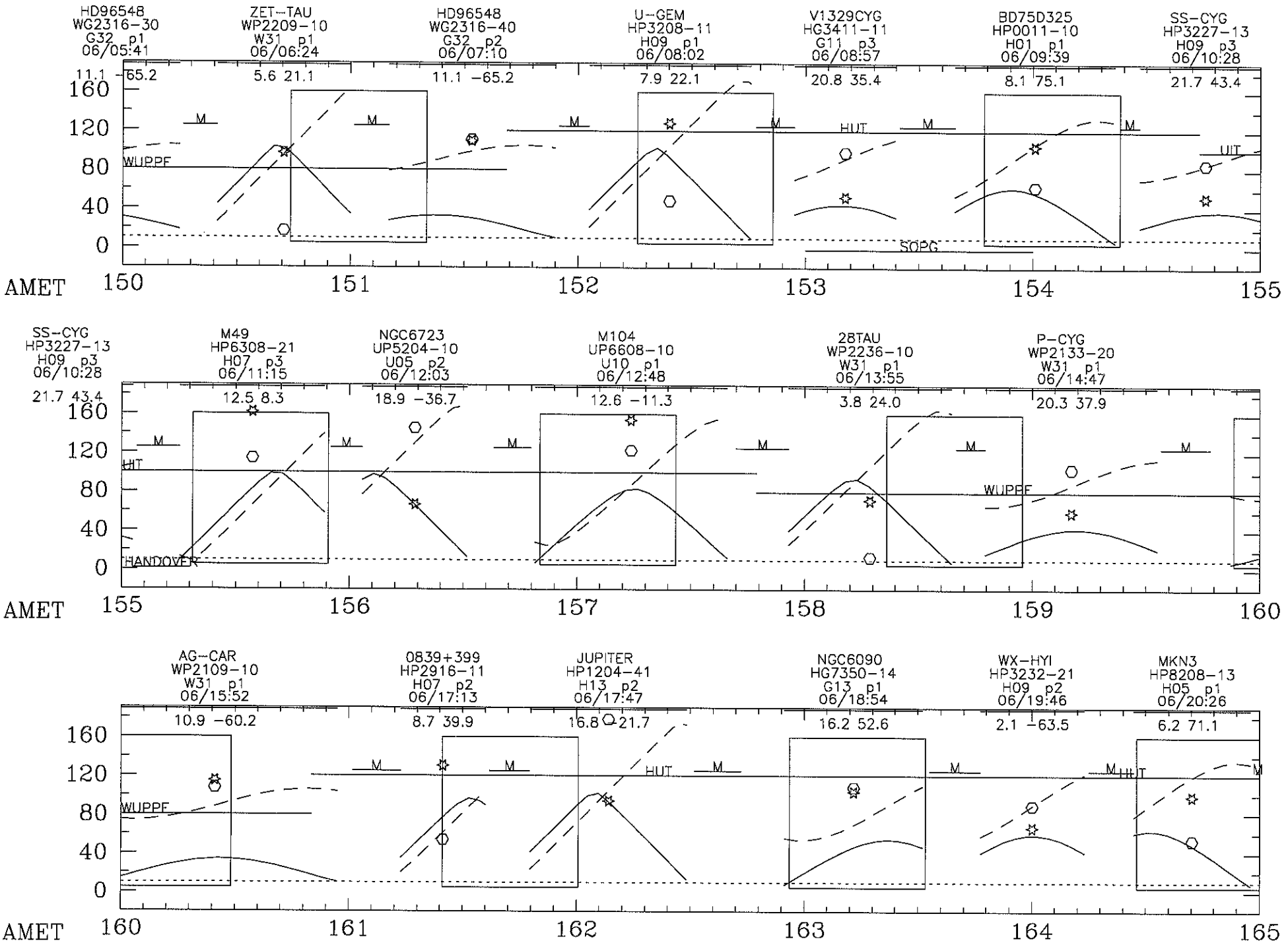

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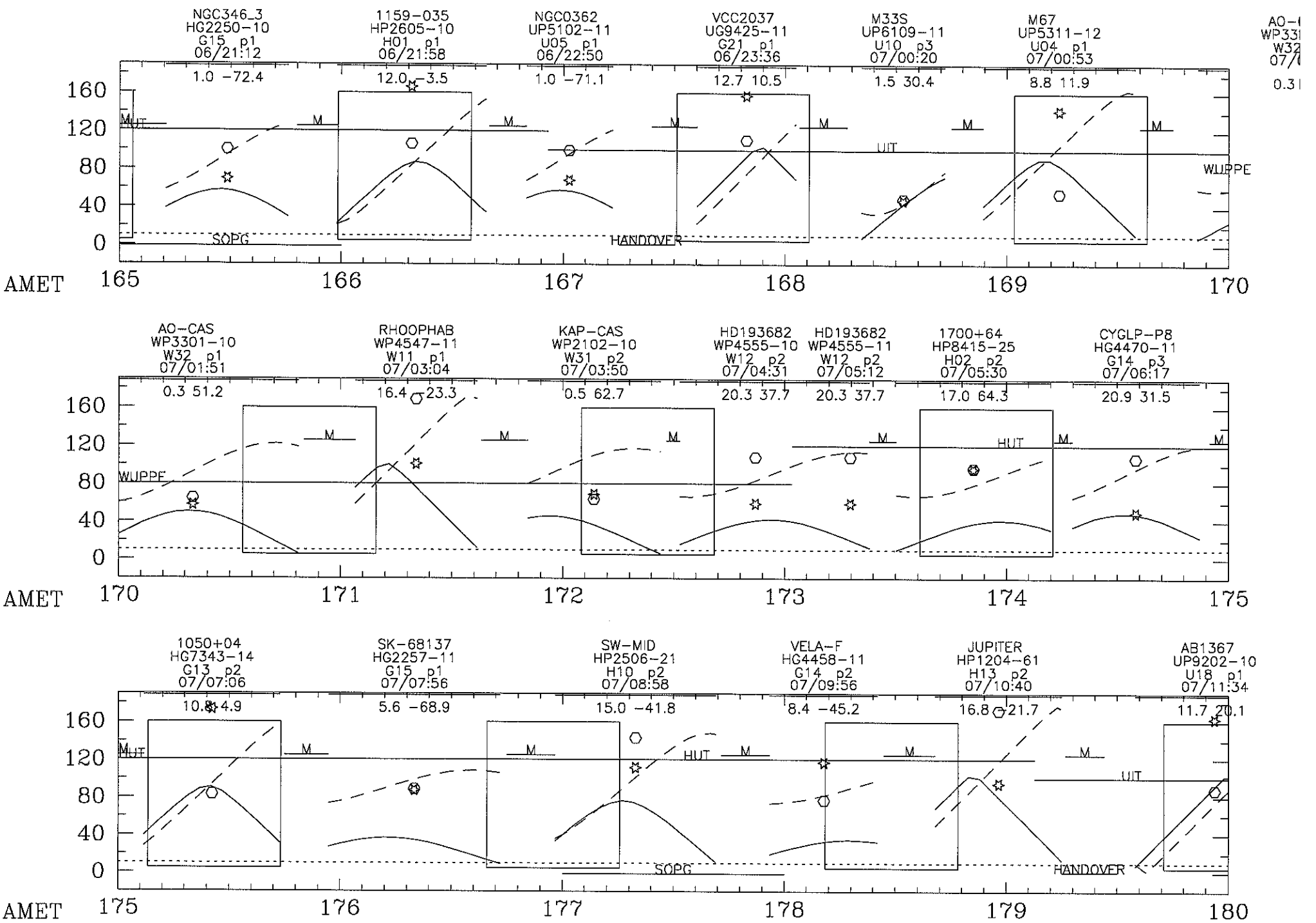

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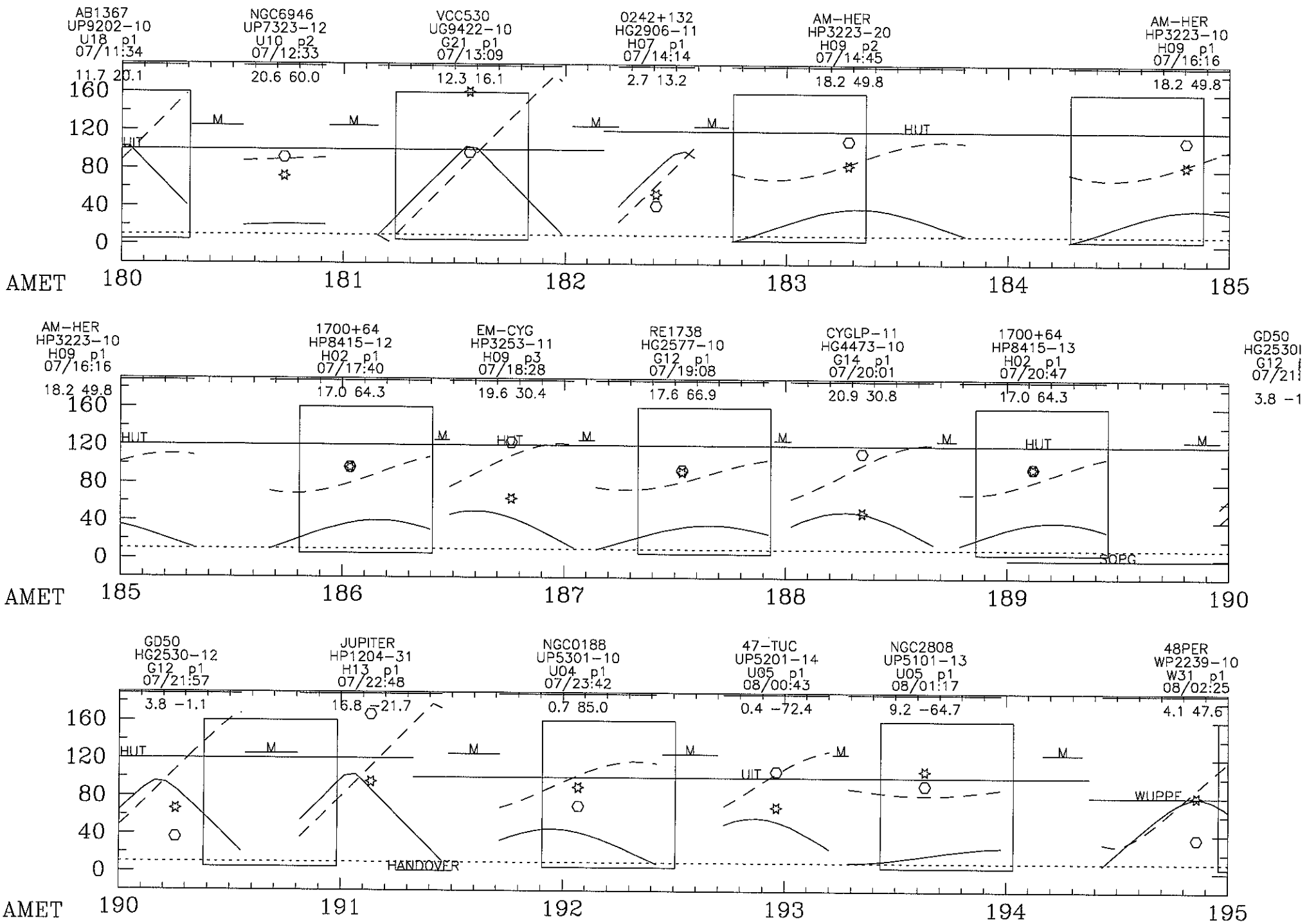

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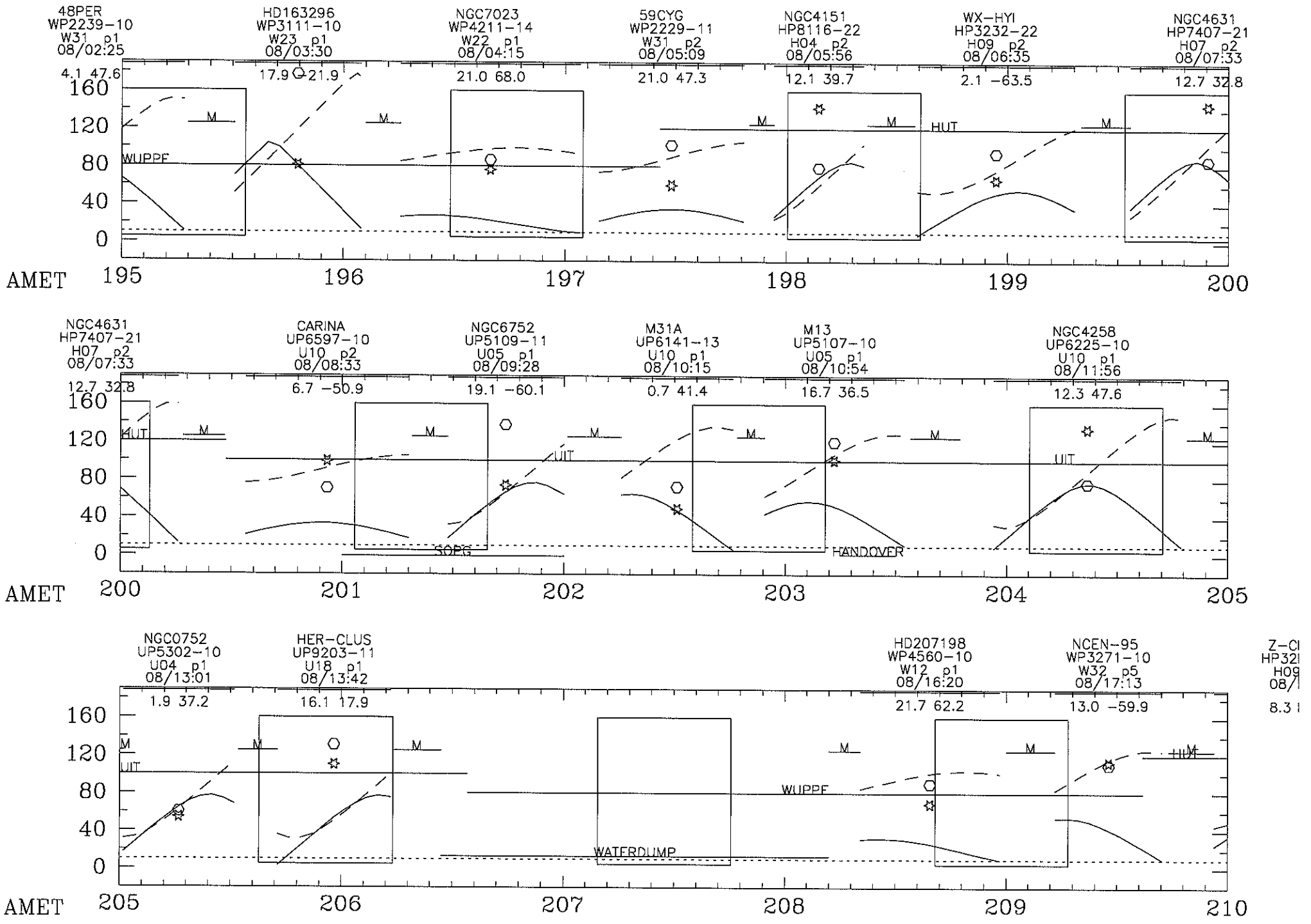

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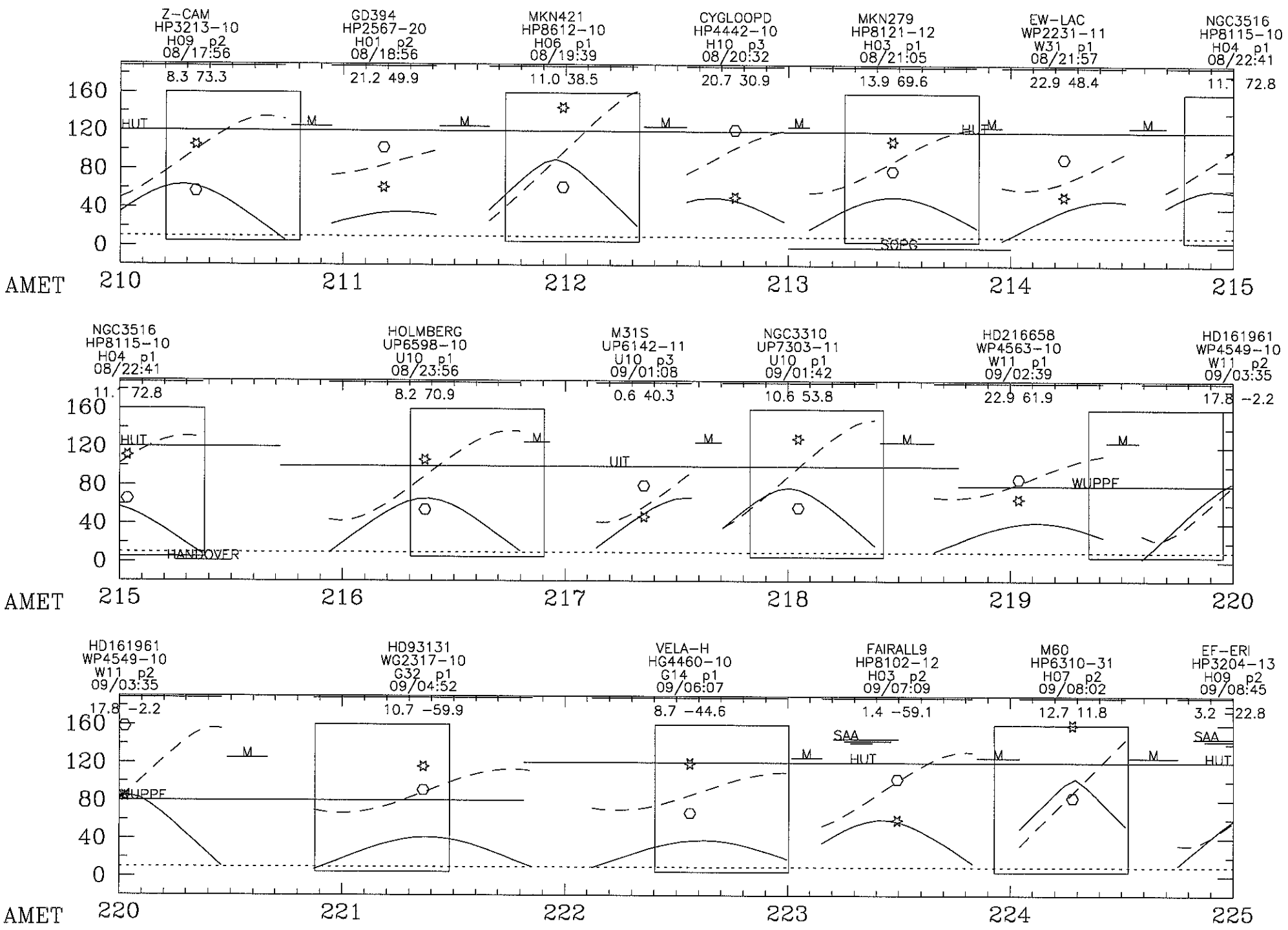

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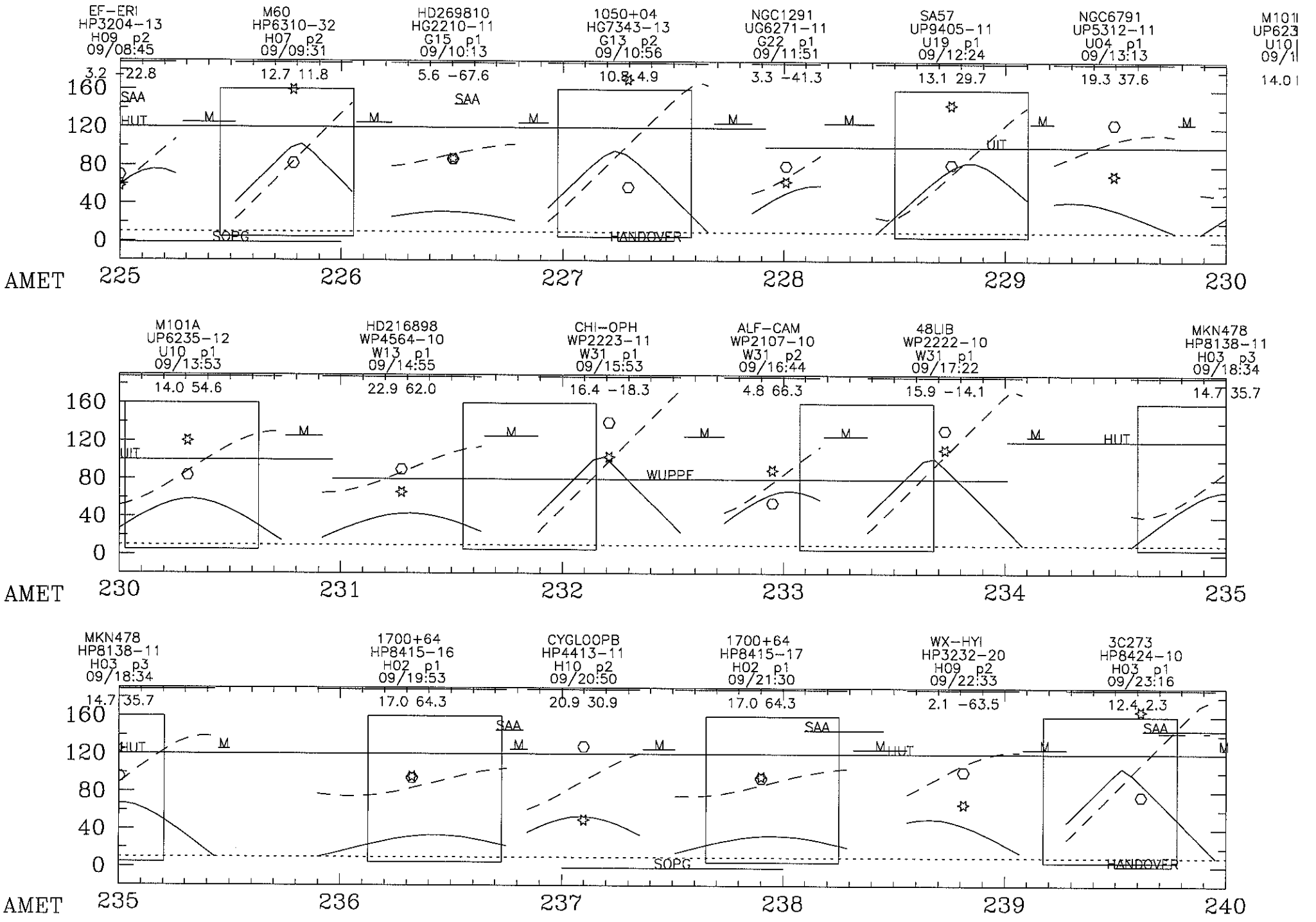

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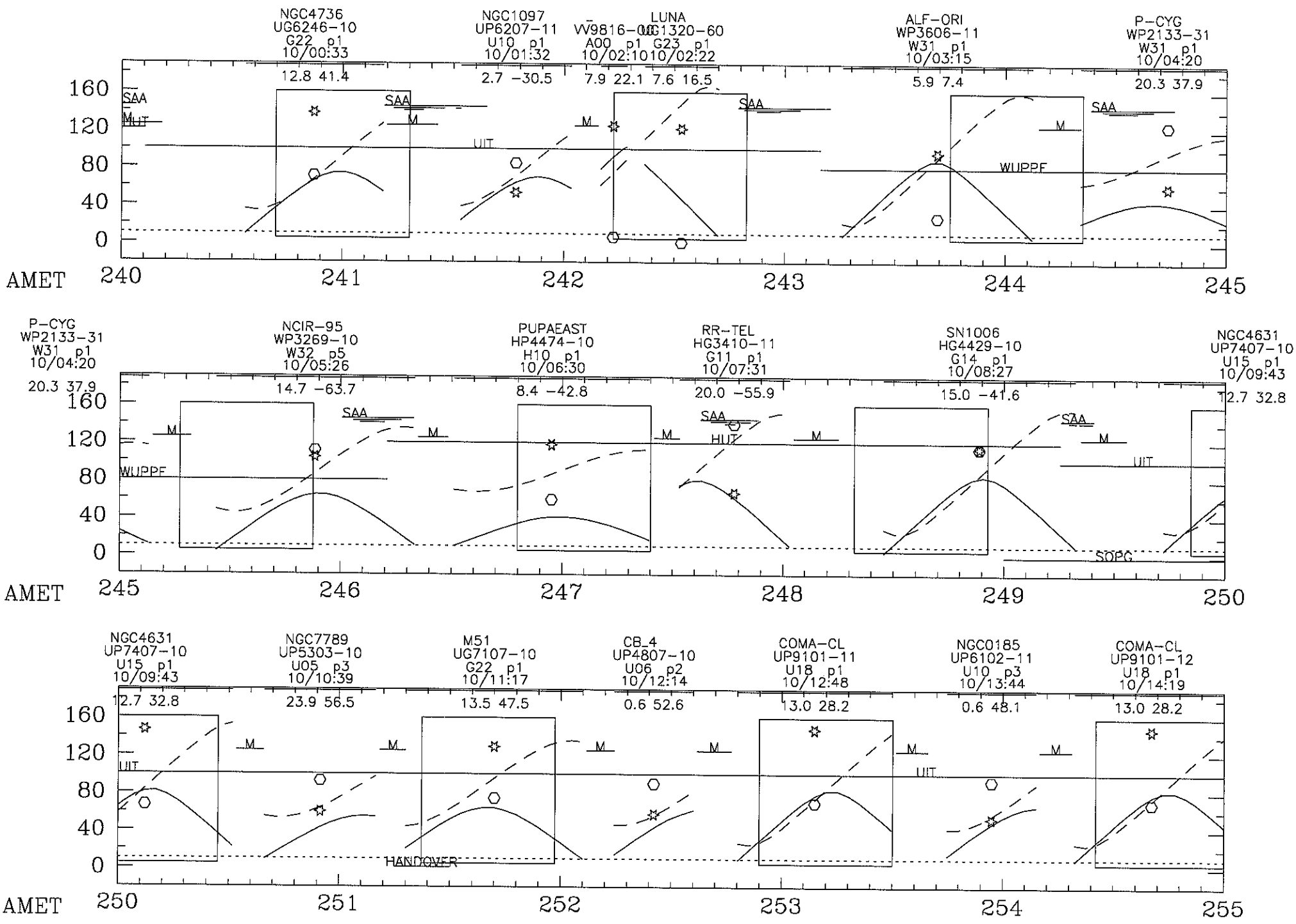

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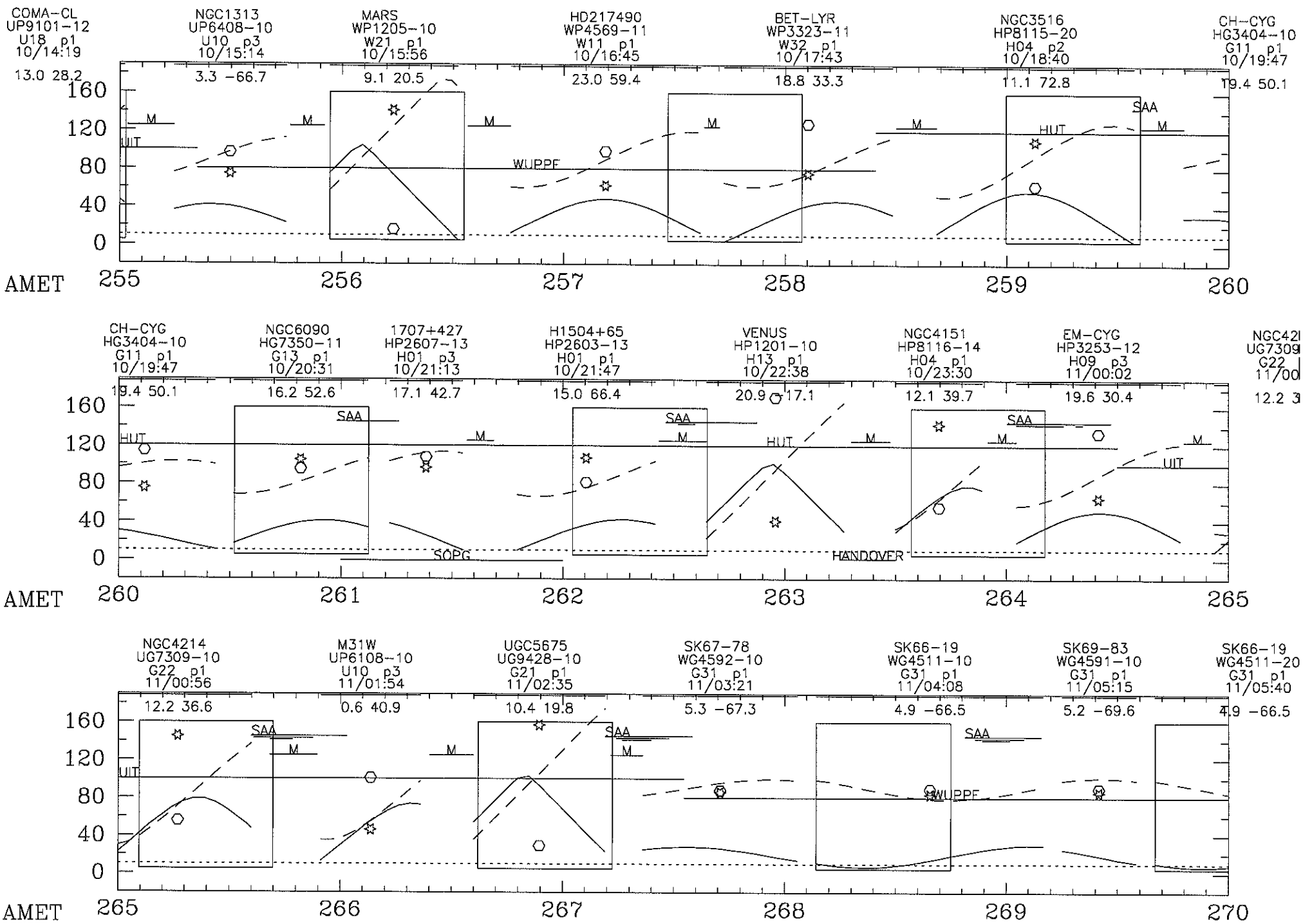

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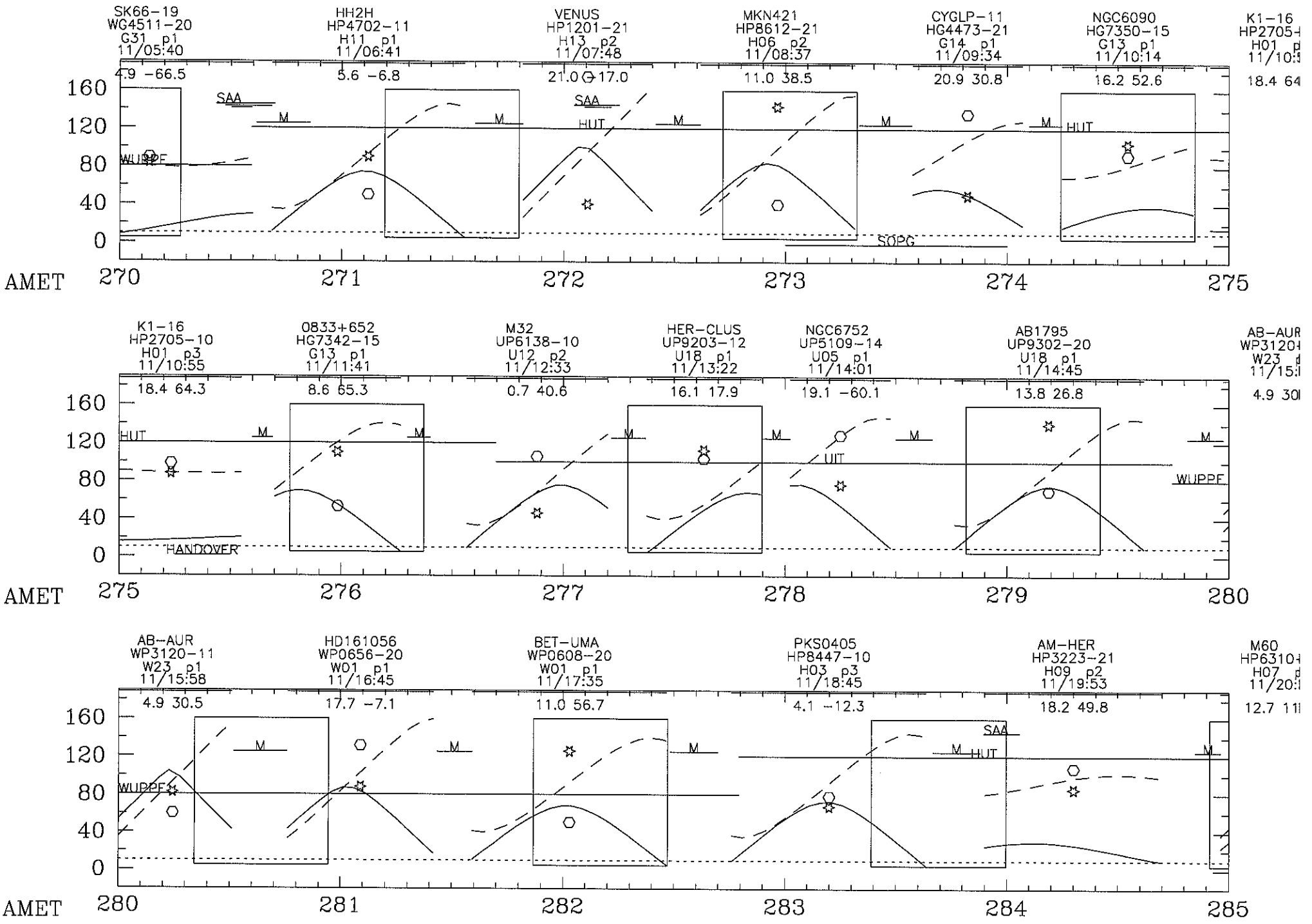

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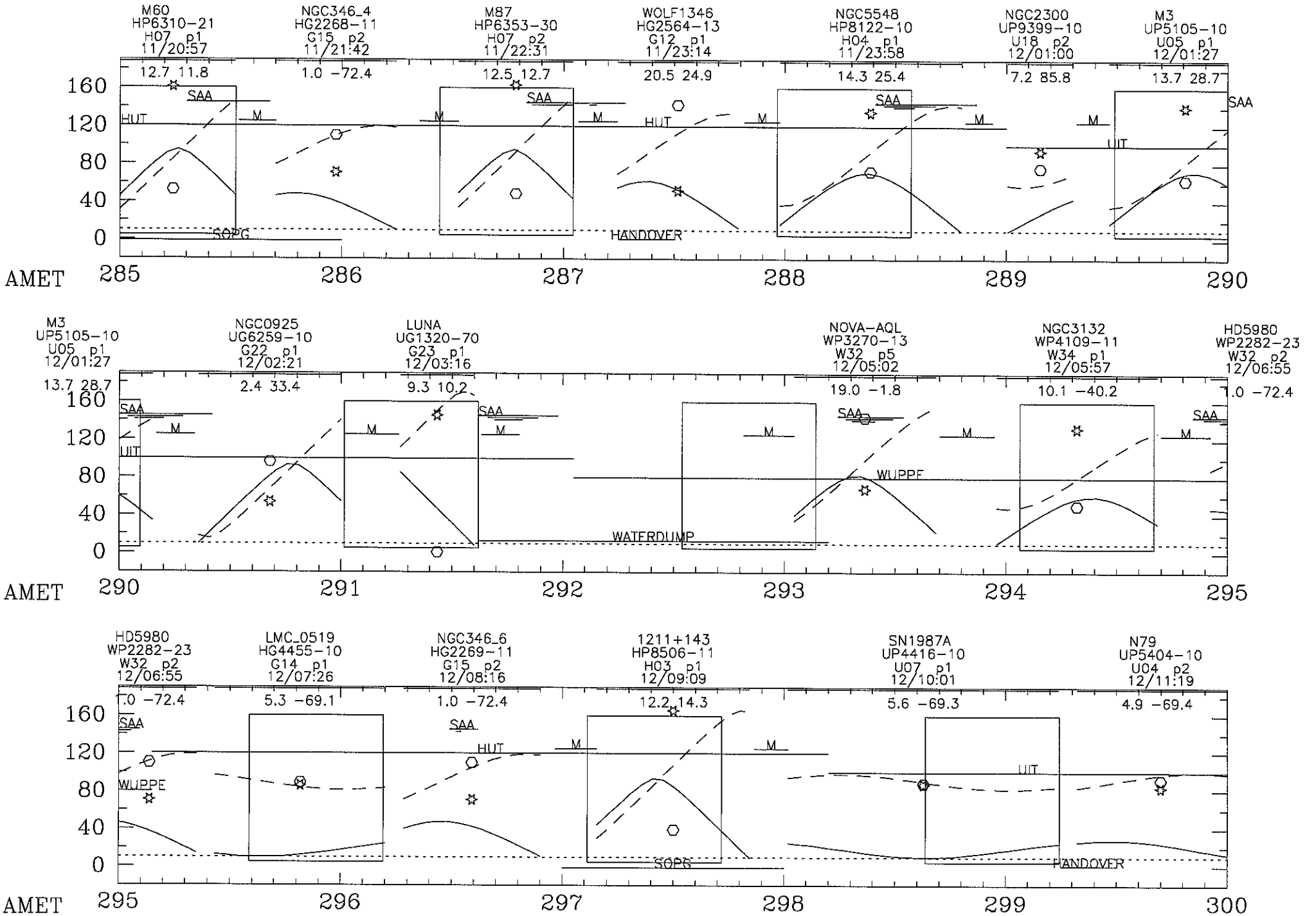

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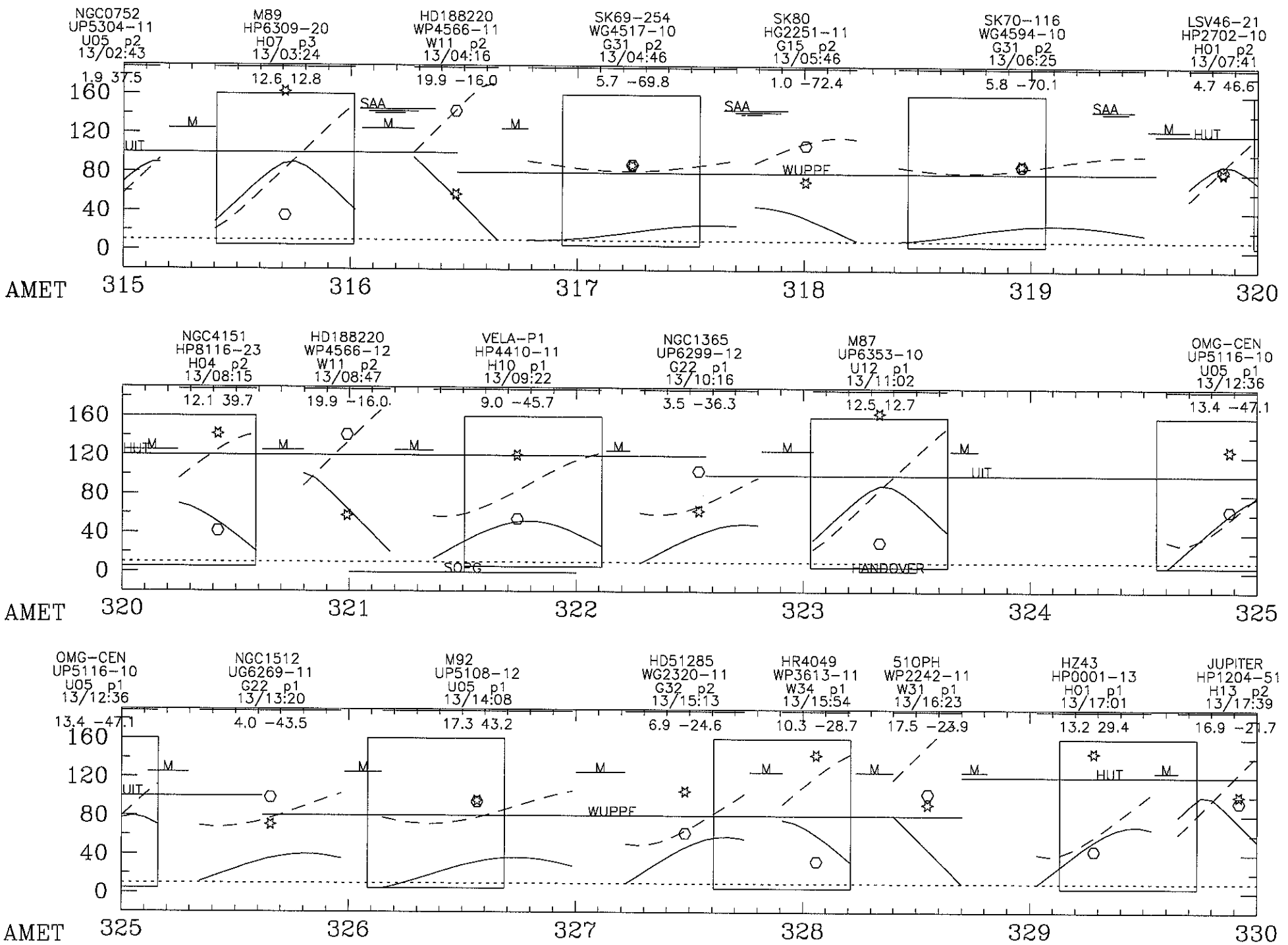
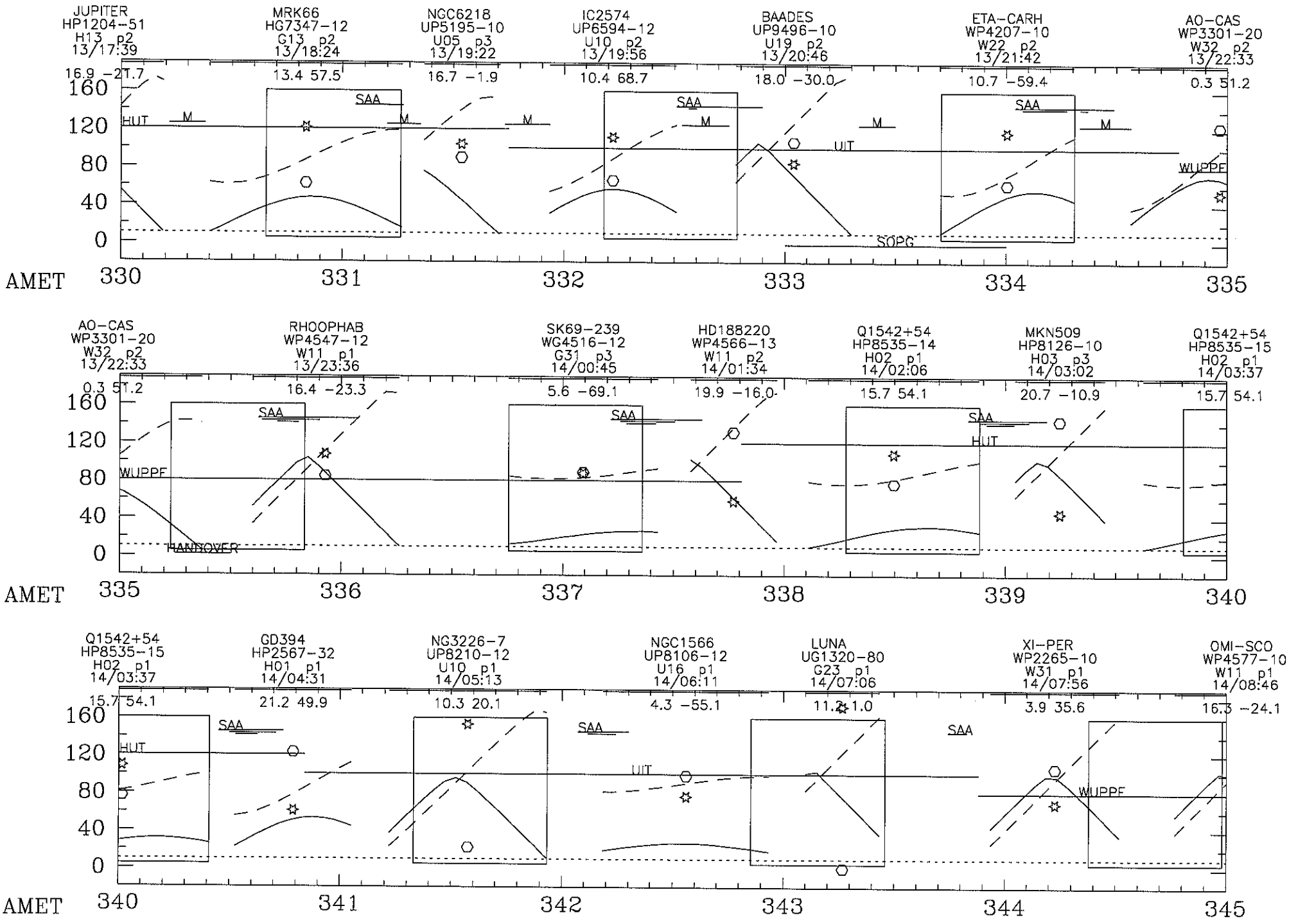
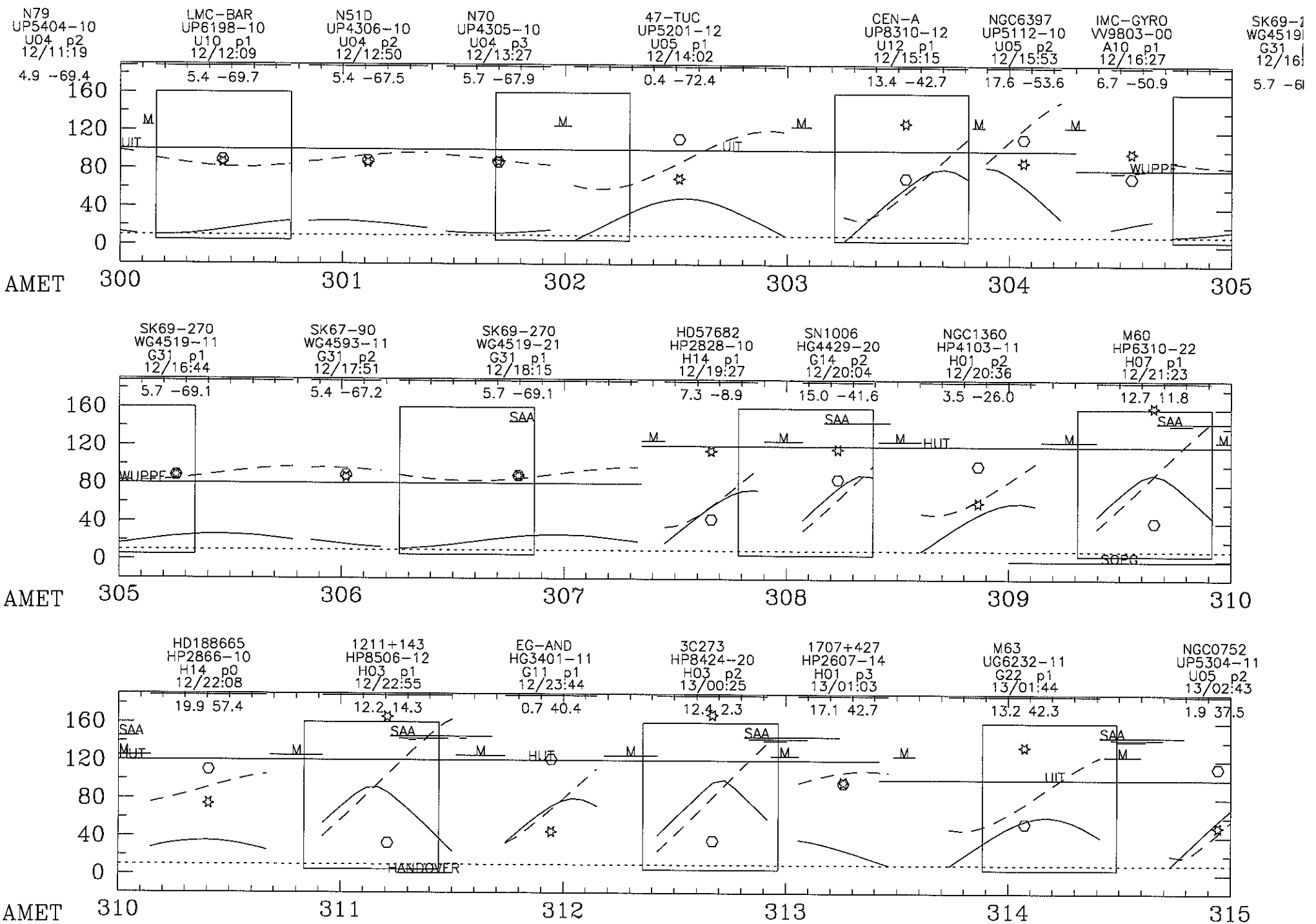


As Flown Timeline

Thu Mar 16 15:15:36 CST 1995



As Flown Timeline



As Flown Timeline

Thu Mar 16 15:15:38 CST 1995