

Observation of Comet 17P/Holmes

Toshimi Taki

November 24, 2007

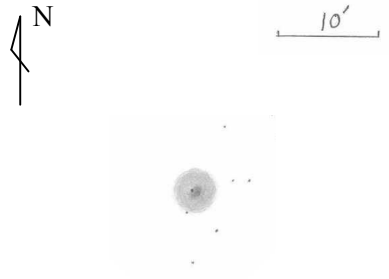
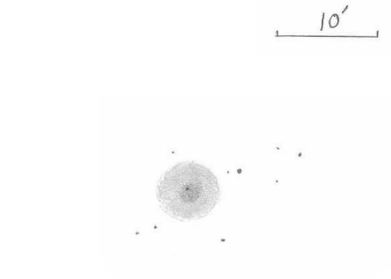
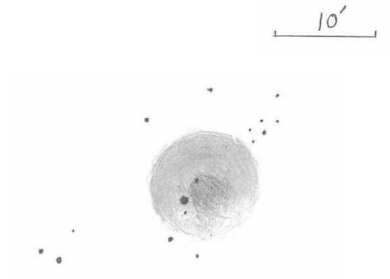
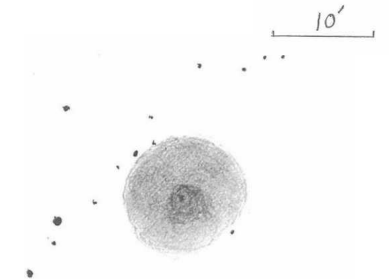
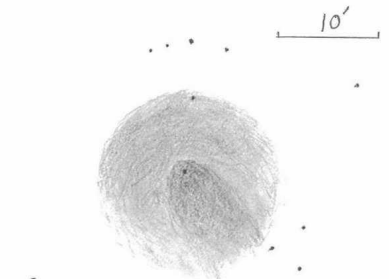
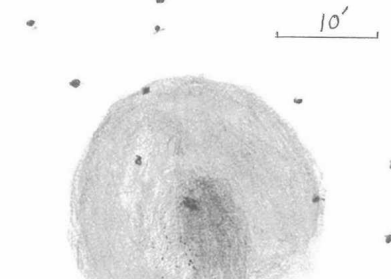
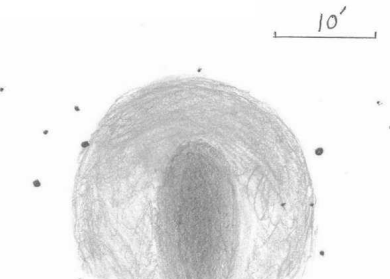
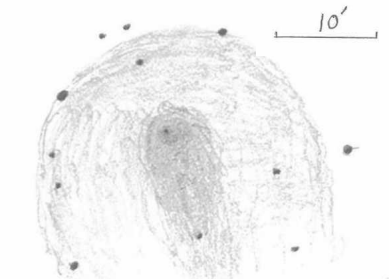
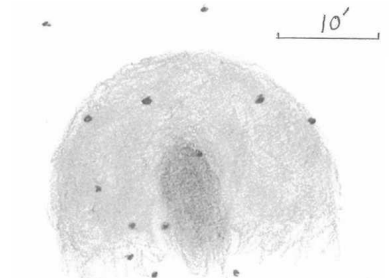
Observation

- Instrument
 - 8inch, F6 Newtonian Reflector on Dobsonian Mount
 - Eyepieces: SP 9.7mm, WF 15mm, K 27mm, König 32mm
- Location: Konan City, Aich Prefecture, Japan
- Method
 - Making sketches
 - Measure apparent diameter from the sketches

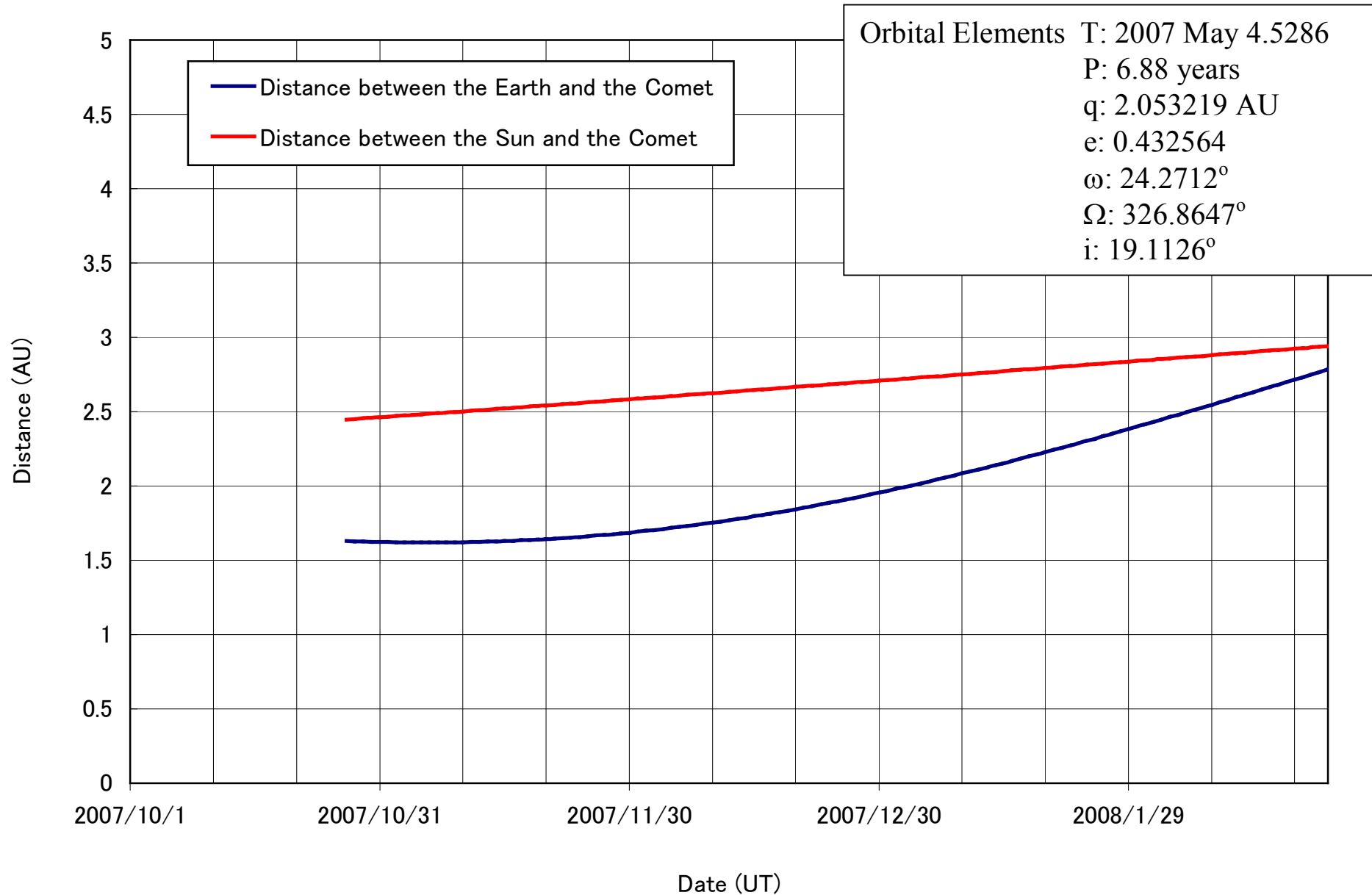
Summary of Observation

- Brightest on October 27, 2007 at 2.7 mag.
- Yellowish till November 2, 2007 and then no color was detected with 8inch.
- Nuclis was visible till November 7, 2007 with 8inch.
- Visible with naked eye till November 16, 2007.
- Diameter grew from 4 arc min. (October 27) to 30 arc min. (November 18).
- See sketches on next page.

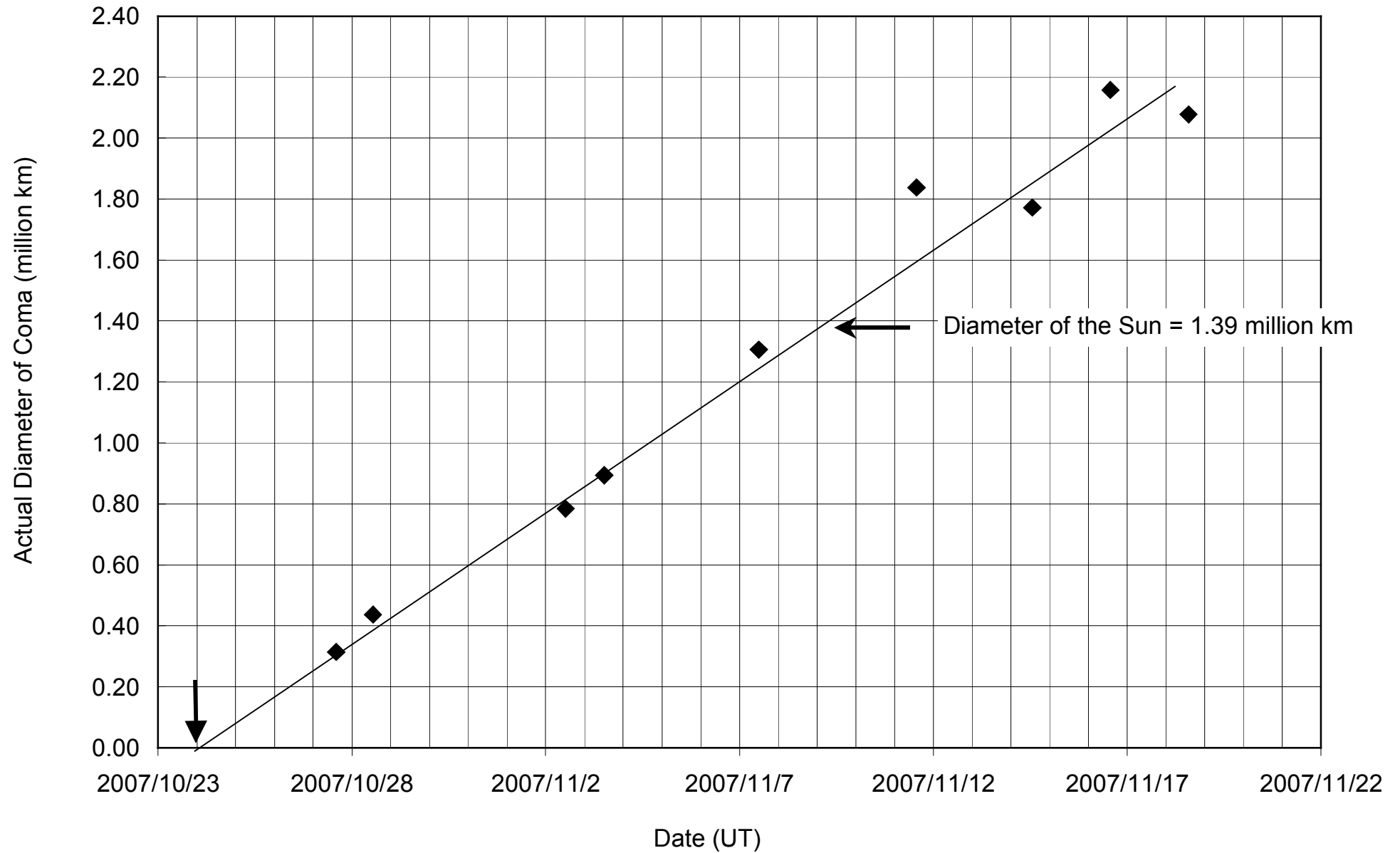
Comet 17P/Holmes in 2007

 <p>2.7 mag. October 27.6, 2007 (UT)</p>	 <p>2.9 mag. October 28.5, 2007 (UT)</p>	 <p>3.0 mag. November 2.5, 2007 (UT)</p>	 <p>3.2 mag. November 3.5, 2007 (UT)</p>
 <p>3.4 mag. November 7.5, 2007 (UT)</p>	 <p>November 11.6, 2007 (UT)</p>	 <p>November 14.6, 2007 (UT)</p>	 <p>November 16.6, 2007 (UT)</p>
 <p>November 18.6, 2007 (UT)</p>	<ul style="list-style-type: none"> - Sketched by: Toshimi Taki - Instrument: 8inch F6 Newtonian Reflector with SP9.7mm, WF15mm, K27mm and König 32mm - Location: Konan City, Aichi Prefecture, Japan 		

Orbit of P17/Holmes



Growth of Coma



Summary

- Following facts are derived from the observation.
 - Burst of the comet happened on October 24, 2007.
 - Radius velocity of the coma growth was about 1900km/hour.
 - The actual diameter of the coma became larger than the diameter of the Sun (1,390,000km) on November 9, 2007.