

# Calar Alto 3.5m-Telescope

## Autumn 2017

### (Tentative Schedule)

1. 7. #100	31. 7. 27,3 N Service	<b>CARMENES Survey</b>	<b>CARMENES</b>	CARMENES Survey
1. 7.	31. 12. #5 1 N Service	<b>Castro-Tirado (Granada)</b> IAA-CSIC	<b>O2000</b>	Dark gamma-ray bursts: discriminating between dust and high redshift
#6	3. 7. 0,17 N Service	<b>Inno (Heidelberg)</b> Max-Planck-Institut für Astronomy	<b>CARMENES</b>	Enabling Single-Epoch Spectral Diagnostics of Cepheids
#14	4. 7. 0,25 N Service	<b>Reffert (Heidelberg)</b> Landessternwarte (LSW)	<b>CARMENES</b>	Confirming Planets Orbiting Giant Stars
#6	18. 7. 0,17 N Service	<b>Inno (Heidelberg)</b> Max-Planck-Institut für Astronomy	<b>CARMENES</b>	Enabling Single-Epoch Spectral Diagnostics of Cepheids
#7	20. 7. 0,04 N Service	<b>Montesinos (Villanueva C., Madrid)</b> Centro de Astrobiología CSIC-INTA	<b>CARMENES</b>	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#21	22. 7. 1 N Service	<b>Nortmann (La Laguna)</b> Instituto de Astrofísica de Canarias	<b>CARMENES</b>	Transmission spectroscopy of sub-Jovian planets with CARMENES
#14	23. 7. 0,25 N Service	<b>Reffert (Heidelberg)</b> Landessternwarte (LSW)	<b>CARMENES</b>	Confirming Planets Orbiting Giant Stars
#7	26. 7. 0,04 N Service	<b>Montesinos (Villanueva C., Madrid)</b> Centro de Astrobiología CSIC-INTA	<b>CARMENES</b>	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#6	31. 7. 0,17 N Service	<b>Inno (Heidelberg)</b> Max-Planck-Institut für Astronomy	<b>CARMENES</b>	Enabling Single-Epoch Spectral Diagnostics of Cepheids
1. 8. #100	31. 8. 25,3 N Service	<b>CARMENES Survey</b>	<b>CARMENES</b>	CARMENES Survey
#7	1. 8. 0,04 N Service	<b>Montesinos (Villanueva C., Madrid)</b> Centro de Astrobiología CSIC-INTA	<b>CARMENES</b>	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#7	6. 8. 0,04 N Service	<b>Montesinos (Villanueva C., Madrid)</b> Centro de Astrobiología CSIC-INTA	<b>CARMENES</b>	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#51	7. 8. 1 N	<b>Allart (Geneva Univ.)</b> Astronomy Department	<b>CARMENES</b>	Multi-wavelength observations of the warm Neptune HAT-P-11b: A journey across the atmosphere
#14	10. 8. 0,25 N Service	<b>Reffert (Heidelberg)</b> Landessternwarte (LSW)	<b>CARMENES</b>	Confirming Planets Orbiting Giant Stars
#51	12. 8. 1 N	<b>Allart (Geneva Univ.)</b> Astronomy Department	<b>CARMENES</b>	Multi-wavelength observations of the warm Neptune HAT-P-11b: A journey across the atmosphere
#6	13. 8. 0,17 N Service	<b>Inno (Heidelberg)</b> Max-Planck-Institut für Astronomy	<b>CARMENES</b>	Enabling Single-Epoch Spectral Diagnostics of Cepheids
#7	13. 8. 0,04 N Service	<b>Montesinos (Villanueva C., Madrid)</b> Centro de Astrobiología CSIC-INTA	<b>CARMENES</b>	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#7	19. 8. 0,04 N Service	<b>Montesinos (Villanueva C., Madrid)</b> Centro de Astrobiología CSIC-INTA	<b>CARMENES</b>	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#21	22. 8. 1 N Service	<b>Nortmann (La Laguna)</b> Instituto de Astrofísica de Canarias	<b>CARMENES</b>	Transmission spectroscopy of sub-Jovian planets with CARMENES
#6	23. 8. 0,17 N Service	<b>Inno (Heidelberg)</b> Max-Planck-Institut für Astronomy	<b>CARMENES</b>	Enabling Single-Epoch Spectral Diagnostics of Cepheids
#7	25. 8. 0,04 N Service	<b>Montesinos (Villanueva C., Madrid)</b> Centro de Astrobiología CSIC-INTA	<b>CARMENES</b>	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#14	28. 8. 0,25 N Service	<b>Reffert (Heidelberg)</b> Landessternwarte (LSW)	<b>CARMENES</b>	Confirming Planets Orbiting Giant Stars
#7	31. 8. 0,04 N Service	<b>Montesinos (Villanueva C., Madrid)</b> Centro de Astrobiología CSIC-INTA	<b>CARMENES</b>	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
1. 9. #100	30. 9. 18,3 N Service	<b>CARMENES Survey</b>	<b>CARMENES</b>	CARMENES Survey

#6	1. 9. Inno (Heidelberg) 0.17 N Service Max-Planck-Institut für Astronomy	CARMENES	Enabling Single-Epoch Spectral Diagnostics of Cepheids
#7	6. 9. Montesinos (Villanueva C., Madrid) 0.04 N Service Centro de Astrobiología CSIC-INTA	CARMENES	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#22	7. 9. Caballero (Villanueva de la C.) 0,5 N Service CAB	CARMENES	Towards a high quality atmospheric detection of HD 189733b
#6	11. 9. Inno (Heidelberg) 0,17 N Service Max-Planck-Institut für Astronomy	CARMENES	Enabling Single-Epoch Spectral Diagnostics of Cepheids
#14	12. 9. Reffert (Heidelberg) 0.25 N Service Landessternwarte (LSW)	CARMENES	Confirming Planets Orbiting Giant Stars
#7	13. 9. Montesinos (Villanueva C., Madrid) 0.04 N Service Centro de Astrobiología CSIC-INTA	CARMENES	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
15. 9.	19. 9. Roth (Potsdam) #23 5 N Leibniz-Institut für Astrophysik Potsdam (AIP)	PMAS	Measuring the diffuse ionized gas in galaxies
#6	23. 9. Inno (Heidelberg) 0,17 N Service Max-Planck-Institut für Astronomy	CARMENES	Enabling Single-Epoch Spectral Diagnostics of Cepheids
#21	25. 9. Nortmann (La Laguna) 1 N Service Instituto de Astrofísica de Canarias	CARMENES	Transmission spectroscopy of sub-Jovian planets with CARMENES
#7	26. 9. Montesinos (Villanueva C., Madrid) 0.04 N Service Centro de Astrobiología CSIC-INTA	CARMENES	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#22	27. 9. Caballero (Villanueva de la C.) 0,5 N Service CAB	CARMENES	Towards a high quality atmospheric detection of HD 189733b
#14	30. 9. Reffert (Heidelberg) 0.25 N Service Landessternwarte (LSW)	CARMENES	Confirming Planets Orbiting Giant Stars
1. 10. #100	31. 10. CARMENES Survey 20.5 N Service	CARMENES	CARMENES Survey
#6	1. 10. Inno (Heidelberg) 0,17 N Max-Planck-Institut für Astronomy	CARMENES	Enabling Single-Epoch Spectral Diagnostics of Cepheids
#7	1.10. Montesinos (Villanueva C., Madrid) 0.04 N Service Centro de Astrobiología CSIC-INTA	CARMENES	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#7	7. 10. Montesinos (Villanueva C., Madrid) 0.04 N Service Centro de Astrobiología CSIC-INTA	CARMENES	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#10	9. 10. Béjar (La Laguna) 0,25 N Service IAC, Tenerife	CARMENES	Exoplanets around FGK stars in clusters with CARMENES
#6	11. 10. Inno (Heidelberg) 0,17 N Service Max-Planck-Institut für Astronomy	CARMENES	Enabling Single-Epoch Spectral Diagnostics of Cepheids
#10	12. 10. Béjar (La Laguna) 0,25 N Service IAC, Tenerife	CARMENES	Exoplanets around FGK stars in clusters with CARMENES
#7	13. 10. Montesinos (Villanueva C., Madrid) 0.04 N Service Centro de Astrobiología CSIC-INTA	CARMENES	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#10	15. 10. Béjar (La Laguna) 0,25 N Service IAC, Tenerife	CARMENES	Exoplanets around FGK stars in clusters with CARMENES
#22	17. 10. Caballero (Villanueva de la C.) 0,5 N Service CAB	CARMENES	Towards a high quality atmospheric detection of HD 189733b
#19	18. 10. Izzo (Granada) 1 N IAA-CSIC	PMAS	The physical properties of nova progenitors unveiled by nova remnants. II
#7	19. 10. Montesinos (Villanueva C., Madrid) 0.04 N Service Centro de Astrobiología CSIC-INTA	CARMENES	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#10	19. 10. Béjar (La Laguna) 0,25 N Service IAC, Tenerife	CARMENES	Exoplanets around FGK stars in clusters with CARMENES
#10	22. 10. Béjar (La Laguna) 0,25 N Service IAC, Tenerife	CARMENES	Exoplanets around FGK stars in clusters with CARMENES
#7	25. 10. Montesinos (Villanueva C., Madrid) 0.04 N Service Centro de Astrobiología CSIC-INTA	CARMENES	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?

	<b>25. 10.</b>	<b>Béjar (La Laguna)</b>	<b>CARMENES</b>	Exoplanets around FGK stars in clusters with CARMENES
#10	0,25 N	IAC, Tenerife		
	<b>26. 10.</b>	<b>Inno (Heidelberg)</b>	<b>CARMENES</b>	Enabling Single-Epoch Spectral Diagnostics of Cepheids
#6	0,17 N	Max-Planck-Institut für Astronomy Service		
	<b>27. 10.</b>	<b>Reffert (Heidelberg)</b>	<b>CARMENES</b>	Confirming Planets Orbiting Giant Stars
#14	0.25 N	Landessternwarte (LSW) Service		
	<b>28. 10.</b>	<b>Béjar (La Laguna)</b>	<b>CARMENES</b>	Exoplanets around FGK stars in clusters with CARMENES
#10	0,25 N	IAC, Tenerife		
	<b>31. 10.</b>	<b>Montesinos (Villanueva C., Madrid)</b>	<b>CARMENES</b>	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#7	0.04 N	Centro de Astrobiología CSIC-INTA Service		
	<b>31. 10.</b>	<b>Béjar (La Laguna)</b>	<b>CARMENES</b>	Exoplanets around FGK stars in clusters with CARMENES
#10	0,25 N	IAC, Tenerife		
<b>1. 11.</b>	<b>30. 11.</b>	<b>CARMENES Survey</b>	<b>CARMENES</b>	CARMENES Survey
#100	15.4 N	Service		
	<b>3. 11.</b>	<b>Inno (Heidelberg)</b>	<b>CARMENES</b>	Enabling Single-Epoch Spectral Diagnostics of Cepheids
#6	0,17 N	Max-Planck-Institut für Astronomy		
	<b>4. 11.</b>	<b>Yan (Heidelberg)</b>	<b>CARMENES</b>	Observing the emission spectrum of a Hot Jupiter
#17	1 N	Max-Planck-Institut für Astronomie Service		
	<b>5. 11.</b>	<b>Béjar (La Laguna)</b>	<b>CARMENES</b>	Exoplanets around FGK stars in clusters with CARMENES
#10	0,25 N	IAC, Tenerife		
	<b>6. 11.</b>	<b>Caballero (Villanueva de la C.)</b>	<b>CARMENES</b>	Towards a high quality atmospheric detection of HD 189733b
#22	0,5 N	CAB Service		
	<b>8. 11.</b>	<b>Montesinos (Villanueva C., Madrid)</b>	<b>CARMENES</b>	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#7	0.04 N	Centro de Astrobiología CSIC-INTA Service		
	<b>8. 11.</b>	<b>Béjar (La Laguna)</b>	<b>CARMENES</b>	Exoplanets around FGK stars in clusters with CARMENES
#10	0,25 N	IAC, Tenerife		
<b>9. 11.</b>	<b>14. 11.</b>	<b>Zapatero Osorio (Torrejón de Ardoz, Madrid)</b>	<b>O2000</b>	Searching for Pleiades isolated planets
#12	6 N	Centro de Astrobiología (CSIC-INTA) Service		
	<b>15. 11.</b>	<b>Yan (Heidelberg)</b>	<b>CARMENES</b>	Observing the emission spectrum of a Hot Jupiter
#17	1 N	Max-Planck-Institut für Astronomie Service		
	<b>16. 11.</b>	<b>Montesinos (Villanueva C., Madrid)</b>	<b>CARMENES</b>	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#7	0.04 N	Centro de Astrobiología CSIC-INTA Service		
	<b>16. 11.</b>	<b>Béjar (La Laguna)</b>	<b>CARMENES</b>	Exoplanets around FGK stars in clusters with CARMENES
#10	0,25 N	IAC, Tenerife		
	<b>20. 11.</b>	<b>Reffert (Heidelberg)</b>	<b>CARMENES</b>	Confirming Planets Orbiting Giant Stars
#14	0.25 N	Landessternwarte (LSW) Service		
	<b>20. 11.</b>	<b>Montesinos (Villanueva C., Madrid)</b>	<b>CARMENES</b>	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#7	0.04 N	Centro de Astrobiología CSIC-INTA Service		
	<b>21. 11.</b>	<b>Karjalainen (Santa Cruz de La Palma)</b>	<b>CARMENES</b>	Searching for water in the atmosphere of 55Cnc e.
#8	0,5 N	Isaac Newton Group of Telescopes Service		
	<b>22. 11.</b>	<b>Béjar (La Laguna)</b>	<b>CARMENES</b>	Exoplanets around FGK stars in clusters with CARMENES
#10	0,25 N	IAC, Tenerife		
	<b>24. 11.</b>	<b>Karjalainen (Santa Cruz de La Palma)</b>	<b>CARMENES</b>	Searching for water in the atmosphere of 55Cnc e.
#8	0,5 N	Isaac Newton Group of Telescopes Service		
	<b>27. 11.</b>	<b>Montesinos (Villanueva C., Madrid)</b>	<b>CARMENES</b>	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#7	0.04 N	Centro de Astrobiología CSIC-INTA Service		
	<b>27. 11.</b>	<b>Béjar (La Laguna)</b>	<b>CARMENES</b>	Exoplanets around FGK stars in clusters with CARMENES
#10	0,25 N	IAC, Tenerife		
	<b>30. 11.</b>	<b>Béjar (La Laguna)</b>	<b>CARMENES</b>	Exoplanets around FGK stars in clusters with CARMENES
#10	0,25 N	IAC, Tenerife		
<b>1. 12.</b>	<b>31. 12.</b>	<b>CARMENES Survey</b>	<b>CARMENES</b>	CARMENES Survey
#100	18.2 N	Service		
	<b>2. 12.</b>	<b>Nortmann (La Laguna)</b>	<b>CARMENES</b>	Transmission spectroscopy of sub-Jovian planets with CARMENES
#21	1 N	Instituto de Astrofísica de Canarias Service		

#14	0.25 N Service	<b>3. 12. Reffert (Heidelberg)</b> Landessternwarte (LSW)	<b>CARMENES</b>	Confirming Planets Orbiting Giant Stars
#7	0.04 N Service	<b>3. 12. Montesinos (Villanueva C., Madrid)</b> Centro de Astrobiología CSIC-INTA	<b>CARMENES</b>	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#10	0,25 N Service	<b>5. 12. Béjar (La Laguna)</b> IAC, Tenerife	<b>CARMENES</b>	Exoplanets around FGK stars in clusters with CARMENES
#8	0,5 N Service	<b>8. 12. Karjalainen (Santa Cruz de La Palma)</b> Isaac Newton Group of Telescopes	<b>CARMENES</b>	Searching for water in the atmosphere of 55Cnc e.
#7	0.04 N Service	<b>10. 12. Montesinos (Villanueva C., Madrid)</b> Centro de Astrobiología CSIC-INTA	<b>CARMENES</b>	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#10	0,25 N Service	<b>10. 12. Béjar (La Laguna)</b> IAC, Tenerife	<b>CARMENES</b>	Exoplanets around FGK stars in clusters with CARMENES
#8	0,5 N Service	<b>11. 12. Karjalainen (Santa Cruz de La Palma)</b> Isaac Newton Group of Telescopes	<b>CARMENES</b>	Searching for water in the atmosphere of 55Cnc e.
12. 12.	#24 4 N Service	<b>15. 12. Lillo-Box (Santiago de Chile)</b> ESO	<b>CARMENES</b>	CARMENES & TROY: a couple looking for a trojan son
#8	0,5 N Service	<b>16. 12. Karjalainen (Santa Cruz de La Palma)</b> Isaac Newton Group of Telescopes	<b>CARMENES</b>	Searching for water in the atmosphere of 55Cnc e.
#7	0.04 N Service	<b>17. 12. Montesinos (Villanueva C., Madrid)</b> Centro de Astrobiología CSIC-INTA	<b>CARMENES</b>	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#10	0,25 N Service	<b>17. 12. Béjar (La Laguna)</b> IAC, Tenerife	<b>CARMENES</b>	Exoplanets around FGK stars in clusters with CARMENES
#8	0,5 N Service	<b>19. 12. Karjalainen (Santa Cruz de La Palma)</b> Isaac Newton Group of Telescopes	<b>CARMENES</b>	Searching for water in the atmosphere of 55Cnc e.
#14	0.25 N Service	<b>20. 12. Reffert (Heidelberg)</b> Landessternwarte (LSW)	<b>CARMENES</b>	Confirming Planets Orbiting Giant Stars
21. 12.	#16 3 N	<b>23. 12. Palle (La Laguna)</b> IAC, Tenerife	<b>CARMENES</b>	Understanding the internal structures of small planet candidates from the K2 mission
#7	0.04 N Service	<b>24. 12. Montesinos (Villanueva C., Madrid)</b> Centro de Astrobiología CSIC-INTA	<b>CARMENES</b>	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#10	0,25 N Service	<b>24. 12. Béjar (La Laguna)</b> IAC, Tenerife	<b>CARMENES</b>	Exoplanets around FGK stars in clusters with CARMENES
#10	0,25 N Service	<b>27. 12. Béjar (La Laguna)</b> IAC, Tenerife	<b>CARMENES</b>	Exoplanets around FGK stars in clusters with CARMENES
#7	0.04 N Service	<b>30. 12. Montesinos (Villanueva C., Madrid)</b> Centro de Astrobiología CSIC-INTA	<b>CARMENES</b>	Transient circumstellar events in HR 10: exocomets and/or gaseous orbiting bodies?
#10	0,25 N Service	<b>30. 12. Béjar (La Laguna)</b> IAC, Tenerife	<b>CARMENES</b>	Exoplanets around FGK stars in clusters with CARMENES

**Target of Opportunity programm:**

**Castro-Tirado (#05)**      Dark gamma-ray bursts: discriminating between dust and high red-shift.  
4 triggers, 2 hours each.  
total nights: 1.0  
Instrument: Omega2000