

Celestial Coordinates

Name _____

Date _____

Directions: List the celestial coordinates for the following objects in **degrees (declination)** and **hours and minutes (right ascension)**. Or, if the celestial coordinates for the object are given, find the name (or number) of the object.

Use the **SFA Star Chart 1 Northern Region** for the following questions.

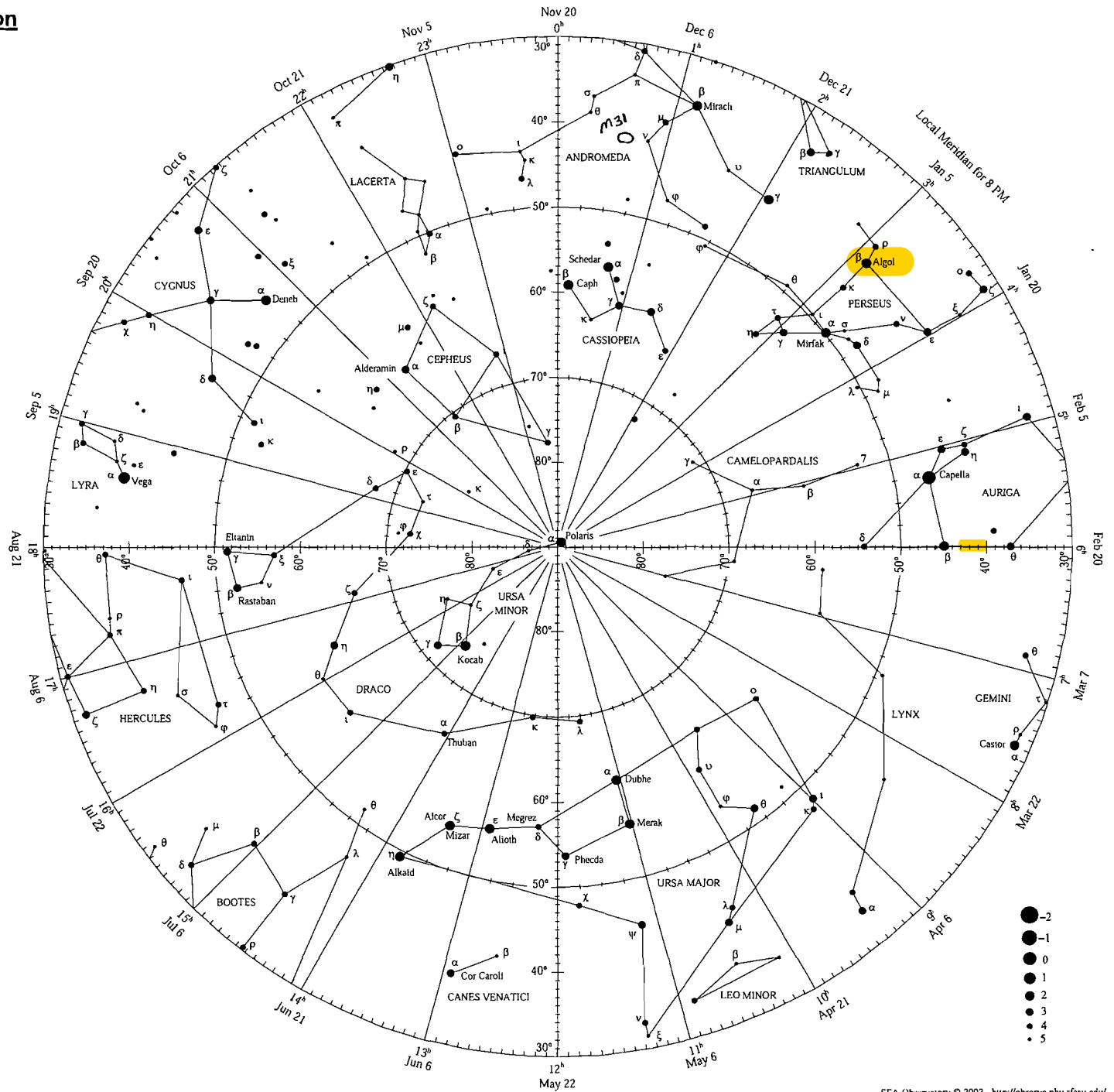
	<u>Name</u>	<u>Right Ascension</u>	<u>Declination</u>
(Example)	Algol _____	3 hours 7 minutes _____	+41 ⁰ _____
Stars:	1. _____	5 hours 15 minutes _____	+46 ⁰ _____
	2. Deneb _____	_____	_____
	3. Polaris _____	_____	_____
Constellations:	4. _____	3 hours 30 minutes _____	+45 ⁰ _____
	5. _____	16 hours 0 minutes _____	+80 ⁰ _____
	6. _____	1 hour 0 minutes _____	+60 ⁰ _____
	7. _____	0 hour 45 minutes _____	+41 ⁰ _____

Use the **SFA Star Chart 2 and 3- Equatorial Region** for the following questions.

Stars:	8. Vega _____	_____	_____
	9. Arcturus _____	_____	_____
	10. Antares _____	_____	_____
	11. _____	19 hour 50 minutes _____	+9 ⁰ _____
	12. Sirius _____	_____	_____
	13. Regulus _____	_____	_____
Constellations:	14. _____	5 hour 30 minutes _____	+0 ⁰ _____
	15. _____	10 hour 30 minutes _____	+15 ⁰ _____
	16. Pleiades _____	_____	_____
	17. _____	20 hour 15 minutes _____	+40 ⁰ _____
	18. _____	17 hour 0 minutes _____	-35 ⁰ _____
Other:	19. _____	8 hour 40 minutes _____	+20 ⁰ _____
	20. _____	17 hour 0 minutes _____	-35 ⁰ _____

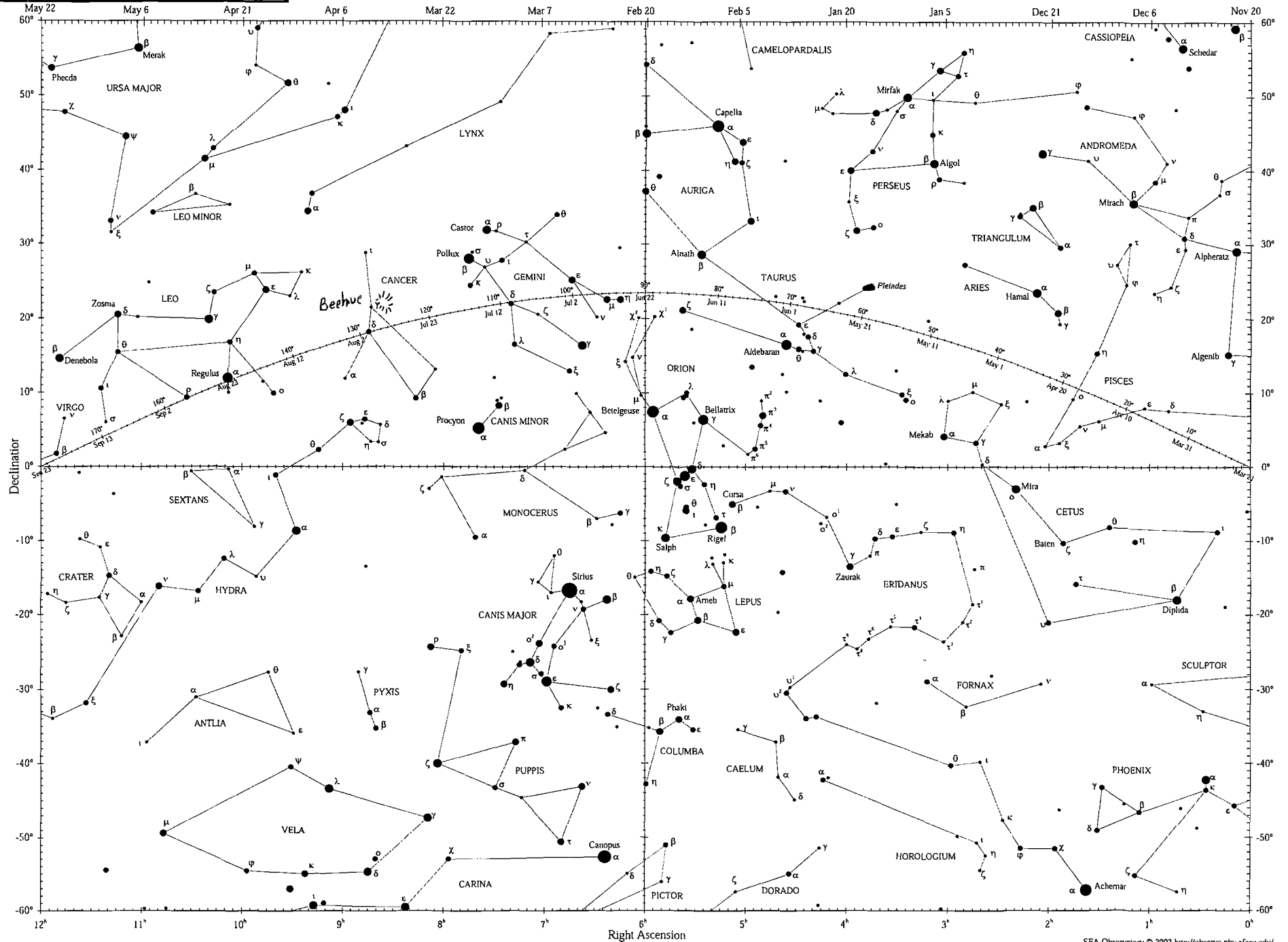
SFA Star Chart 1 - Northern Region

- ANDROMEDA - Daughter of Cepheus and Cassiopeia
- ANTLIA - Air Pumpe
- APUS - Bird of Paradise
- AQUILA - Eagle
- AQUARIUS - Water Carrier
- ARA - Altar
- ARIES - Ram
- AURIGA - Charioteer
- BOOTES - Herdsman
- CAELUM - Graving Tool
- CAMELOPARDALIS - Giraffe
- CAPRICORNUS - Sea Goat
- CARINA - Keel of the Ship Argo
- CASSIOPEIA - Ethiopian Queen on a Throne
- CENTAURUS - Half horse and half man
- CEPHEUS - Ethiopian King
- CETUS - Whale
- CHAMAELEON - Chameleon
- CIRCINUS - Compasses
- CANIS MAJOR - Larger Dog
- CANIS MINOR - Smaller Dog
- CANCER - Crab
- COLUMBA - Dove
- COMA BERENICES - Berenice's Hair
- CORONA AUSTRALIS - Southern Crown
- CORONA BOREALIS - Northern Crown
- CRATER - Cup
- CRUX - Cross
- CORVUS - Crow
- CANES VENATICI - Hunting Dogs
- CYGNUS - Swan
- DELPHINUS - Dolphin
- DORADO - Goldfish
- DRACO - Dragon
- EQUULEUS - Little Horse
- ERIDANUS - River
- FORNAX - Furnace
- GEMINI - Twins
- GRUS - Crane
- HERCULES - Hero
- HOROLOGIUM - Clock
- HYDRA - Sea Serpent
- HYDRUS - Water Snake
- INDUS - Indian



SFA Star Chart 2 - Equatorial Region

Local Meridian for 8 PM



SFA Star Chart 3 - Equatorial Region

Local Meridian for 8 PM

