

NOTE: Chart not to scale.
(CONTINUED ON FOLLOWING PAGE)

## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 4: Climbing left turn heading $270^{\circ}$ to intercept OLS VOR/DME R-329 to ARVEY INT/OLS 18 DME, thence. . . .
TAKEOFF RUNWAY 22: Climbing right turn heading $018^{\circ}$ to intercept OLS VOR/DME R-319 to INKLE INT/OLS 14 DME, to TUS R-176 to ARVEY INT/OLS 18 DME, thence. . . . VCOA ALL RUNWAYS: Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Nogales Intl Airport at or above 11800, Max 210K, before proceeding on course, thence. . . .
. . . . on TUS VORTAC R-176 to cross TUS VORTAC at or above MEA/MCA for assigned route of flight.

## TAKEOFF OBSTACLE NOTES

Rwy 4: Tree $58^{\prime}$ from DER, $455^{\prime}$ left of centerline, $3963^{\prime}$ MSL. Tree $80^{\prime}$ from DER, $174^{\prime}$ right of centerline, $6^{\prime}$ AGL/3958' MSL. Trees beginning $97^{\prime}$ from DER, $446^{\prime}$ left of centerline, up to $15^{\prime}$ AGL/3964' MSL. Tree $252^{\prime}$ from DER, $43^{\prime}$ right of centerline, $5^{\prime} \mathrm{AGL} / 3962^{\prime}$ MSL. Tree $261^{\prime}$ from DER, $463^{\prime}$ left of centerline, $3971^{\prime}$ MSL. Trees beginning $308^{\prime}$ from DER, $37^{\prime}$ right of centerline, up to $6^{\prime}$ AGL/ $3964^{\prime}$ MSL. Trees, fence beginning $334^{\prime}$ from DER, $136^{\prime}$ left of centerline, up to $3987^{\prime}$ MSL. Trees beginning $368^{\prime}$ from DER, $64^{\prime}$ right of centerline, up to $3991^{\prime}$ MSL. Tree, terrain beginning $603^{\prime}$ from DER, $546^{\prime}$ right of centerline, up to $3993^{\prime}$ MSL. Trees, fence, terrain beginning $659^{\prime}$ from DER, $13^{\prime}$ left of centerline, up to $3995^{\prime}$ MSL. Trees, terrain, fence beginning $833^{\prime}$ from DER, $50^{\prime}$ right of centerline, up to $4010^{\prime}$ MSL. Tree, terrain beginning $1179^{\prime}$ from DER, $118^{\prime}$ left of centerline, up to $5^{\prime}$ AGL/ $3996^{\prime}$ MSL. Trees, terrain beginning $1199^{\prime}$ from DER, $97^{\prime}$ right of centerline, up to $4036^{\prime}$ MSL. Trees, terrain beginning $1241^{\prime}$ from DER, $66^{\prime}$ left of centerline, up to $4018^{\prime}$ MSL. Tree, terrain beginning $1412^{\prime}$ from DER, $90^{\prime}$ right of centerline, up to $4043^{\prime}$ MSL. Vehicles on road, terrain beginning $1624^{\prime}$ from DER, $642^{\prime}$ left of centerline, up to $4028^{\prime}$ MSL. Terrain beginning $1637^{\prime}$ from DER, $2^{\prime}$ right of centerline, up to $4052^{\prime}$ MSL. Trees, vehicles on road, terrain beginning $1688^{\prime}$ from DER, $45^{\prime}$ left of centerline, up to $4035^{\prime}$ MSL. Terrain beginning $1825^{\prime}$ from DER, $38^{\prime}$ right of centerline, up to $4067^{\prime}$ MSL. Pole, vehicles on road, trees beginning $1853^{\prime}$ from DER, $475^{\prime}$ left of centerline, up to $21^{\prime}$ AGL/4043' MSL. Terrain 2033' from DER, $186^{\prime}$ left of centerline, $4047^{\prime}$ MSL. Trees, vehicles on road, terrain beginning 2041' from DER, $74^{\prime}$ left of centerline, up to $7^{\prime} \mathrm{AGL} / 4052^{\prime} \mathrm{MSL}$. Terrain $2221^{\prime}$ from DER, $269^{\prime}$ left of centerline, $4055^{\prime}$ MSL. Trees, vehicles on road, terrain beginning $2253^{\prime}$ from DER, $170^{\prime}$ left of centerline, up to $18^{\prime} \mathrm{AGL} / 4080^{\prime}$ MSL. Terrain beginning $2354^{\prime}$ from DER, $20^{\prime}$ right of centerline, up to $4068^{\prime}$ MSL. Trees, vegetation vehicles on road, pole, terrain beginning $2491^{\prime}$ from DER, $55^{\prime}$ left of centerline, up to $14^{\prime}$ AGL/4093' MSL. Terrain beginning $2539^{\prime}$ from DER, $125^{\prime}$ right of centerline, up to $4087^{\prime}$ MSL. Vehicles on road $2657^{\prime}$ from DER, $32^{\prime}$ left of centerline, $15^{\prime} \mathrm{AGL} / 4095^{\prime}$ MSL. Vehicles on road, trees, terrain beginning $2672^{\prime}$ from DER, $6^{\prime}$ left of centerline, up to $15^{\prime}$ AGL/4096' MSL. Vehicles on road, terrain beginning $2688^{\prime}$ from DER, $2^{\prime}$ right of centerline, up to $15^{\prime} \mathrm{AGL} / 4096^{\prime} \mathrm{MSL}$. Terrain, vehicles on road beginning $2768^{\prime}$ from DER, $98^{\prime}$ right of centerline, up to $4112^{\prime}$ MSL. Vehicles on road 2987' from DER, $530^{\prime}$ right of centerline, $4117^{\prime}$ MSL. Vehicles on road $2995^{\prime}$ from DER, $635^{\prime}$ right of centerline, $4121^{\prime}$ MSL. Vehicles on road, terrain beginning $3009^{\prime}$ from DER, $489^{\prime}$ right of centerline, up to $4123^{\prime}$ MSL. Vehicles on road, terrain beginning $3351^{\prime}$ from DER, $12^{\prime}$ right of centerline, up to $4130^{\prime}$ MSL. Vehicles on road, terrain beginning $3449^{\prime}$ from DER, $633^{\prime}$ right of centerline, up to $4143^{\prime}$ MSL. Vehicles on road $3499^{\prime}$ from DER, $1364^{\prime}$ right of centerline, $4149^{\prime}$ MSL. Vehicles on road, terrain, vegetation beginning $3570^{\prime}$ from DER, $101^{\prime}$ right of centerline, up to $4155^{\prime}$ MSL. Terrain beginning $3581^{\prime}$ from DER, $42^{\prime}$ left of centerline, up to $4112^{\prime}$ MSL. Terrain beginning $4127^{\prime}$ from DER, $627^{\prime}$ right of centerline, up to $4156^{\prime}$ MSL. Tree, terrain beginning $4143^{\prime}$ from DER, $768^{\prime}$ right of centerline, up to $4180^{\prime}$ MSL. Trees, terrain beginning $4262^{\prime}$ from DER, $426^{\prime}$ right of centerline, up to $4184^{\prime}$ MSL. Tree, terrain beginning $4495^{\prime}$ from DER, $709^{\prime}$ right of centerline, up to $4210^{\prime}$ MSL. Terrain beginning $4627^{\prime}$ from DER, $1171^{\prime}$ right of centerline, up to $4217^{\prime}$ MSL. Trees, terrain beginning 4737' from DER, $216^{\prime}$ right of centerline, up to $4223^{\prime}$ MSL. Tree, terrain beginning $5806^{\prime}$ from DER, $343^{\prime}$ right of centerline, up to $4241^{\prime}$ MSL. Trees, terrain beginning $5953^{\prime}$ from DER, $409^{\prime}$ right of centerline, up to $4254^{\prime}$ MSL. Trees, terrain beginning 1 NM from DER, 58' right of centerline, up to 4256' MSL. Tree, terrain beginning 1 NM from DER, 1260' left of centerline, up to $4136^{\prime}$ MSL. Trees, terrain beginning 1.1 NM from DER, $433^{\prime}$ left of centerline, up to $4151^{\prime}$ MSL. Trees, pole, terrain beginning 1.2 NM from DER, $75^{\prime}$ left of centerline, up to $16^{\prime}$ AGL/4221' MSL. Trees, vegetation, terrain beginning 1.3 NM from DER, $84^{\prime}$ left of centerline, up to $4254^{\prime}$ MSL. Trees, terrain beginning 1.4 NM from DER, $25^{\prime}$ left of centerline, up to $11^{\prime}$ AGL/4283' MSL. Tree, terrain beginning 1.4 from DER, $140^{\prime}$ right of centerline, up to $4326^{\prime}$ MSL. Tree, terrain beginning 1.5 NM from DER, $79^{\prime}$ right of centerline, up to $11^{\prime} \mathrm{AGL} / 4327^{\prime} \mathrm{MSL}$. Tree, terrain beginning 1.7 NM from DER, $639^{\prime}$ right of centerline, up to $4345^{\prime}$ MSL. Tree, terrain beginning 1.8 NM from DER, $172^{\prime}$ right of centerline, up to $4367^{\prime}$ MSL. Tree, terrain beginning 1.9 NM from DER, $628^{\prime}$ right of centerline, up to $4384^{\prime}$ MSL. Terrain, vehicles on road, trees beginning 2 NM from DER, $935^{\prime}$ right of centerline, up to $4406^{\prime}$ MSL. Terrain 2.1 NM from DER, $616^{\prime}$ left of centerline, $4299^{\prime}$ MSL. Terrain, vehicles on road, trees beginning 2.2 NM from DER, $1859^{\prime}$ right of centerline, $234^{\prime}$ left of centerline, up to $4451^{\prime}$ MSL. Terrain, trees, vehicles on road, beginning 2.3 NM from DER, $835^{\prime}$ right of centerline, up to $14^{\prime}$ AGL/4535' MSL.

Rwy 22: Tree $3^{\prime}$ from DER, $445^{\prime}$ left of centerline, $3847^{\prime}$ MSL. Tree $19^{\prime}$ from DER, $141^{\prime}$ left of centerline, $10^{\prime} \mathrm{AGL} / 3848^{\prime} \mathrm{MSL}$. Tree $29^{\prime}$ from DER, $339^{\prime}$ left of centerline, $3849^{\prime}$ MSL. Tree, vegetation beginning $45^{\prime}$ from DER, $201^{\prime}$ left of centerline, up to $17^{\prime}$ AGL/ $3851^{\prime}$ MSL. Tree $48^{\prime}$ from DER, $504^{\prime}$ right of centerline, $3845^{\prime}$ MSL. Tree, vegetation beginning $112^{\prime}$ from DER, $49^{\prime}$ right of centerline, up to $24^{\prime} \mathrm{AGL} / 3854^{\prime}$ MSL. Vehicles on road, tree beginning 2 NM from DER, 3648' left of centerline, up to $15^{\prime} \mathrm{AGL} / 4208^{\prime} \mathrm{MSL}$. Tree 2.3 NM from DER, $3969^{\prime}$ left of centerline, $11^{\prime} \mathrm{AGL} / 4219^{\prime} \mathrm{MSL}$.

