

Disk Chart

Approximate disk requirements for the 2003 IVS observing program

NRV 030128																			
Size of disks (GB)	120 (this is the most cost effective disk size today)																		
Cost of 120 GB disk	\$150 (Recommended disk is Western Digital model 1200BB)																		
Cost of module	\$ 250 (modules are available from Conduant)																		
Note about disks needed: The numbers are modulo 4 disks, to fill 1/2 or 1 8-pack module.																			
Note about modules needed: Sessions requiring 4 disks will use modules half-filled with 4 disks.																			
Sessions requiring 12 disks will use one module with 4 disks and one module with 8 disks.																			
Session type:	R4	R1	R&D	Ohig	T2	CRF	EURO	APSG											
Data rate (Mb/s)	56 & 112	256	256	56	56	56	56	56											
GB per session:	360 & 500	1200	1200	360	360	360	360	360											
Disks needed	4	12	12	4	4	4	4	4											
Modules needed	1	2	2	1	1	1	1	1											
Disk capacity	480	1440	1440	480	480	480	480	480											
Sess in pipeline:	4	4	2	6	4	3	2	2											
Station	Number of disks required for each station for each type of observing session									Total Disks	Total Modules	Total Cost	Disks in Pool	Modules in Pool					
Algonquin	<u>16</u>		<u>24</u>		<u>8</u>					48	<u>10</u>	\$9,700							
Fortaleza	<u>16</u>			<u>24</u>	<u>16</u>	<u>12</u>				68	<u>17</u>	\$14,450							
Gilmore Creek	<u>16</u>	<u>48</u>	<u>24</u>		<u>8</u>				<u>8</u>	104	<u>20</u>	\$20,600							
GGAO					<u>16</u>					16	<u>4</u>	\$3,400							
HartRAO		<u>48</u>		<u>24</u>	<u>16</u>	<u>12</u>				100	<u>21</u>	\$20,250							
Hobart		<u>48</u>		<u>24</u>	<u>16</u>	<u>12</u>			<u>8</u>	108	<u>23</u>	\$21,950	100						0
Kashima34					<u>16</u>	<u>12</u>				28	<u>7</u>	\$5,950							
Kokee Park	<u>16</u>	<u>48</u>	<u>24</u>	<u>20</u>	<u>12</u>	<u>12</u>			<u>8</u>	140	<u>29</u>	\$28,250							
Matera	<u>16</u>	<u>48</u>			<u>8</u>				<u>8</u>	80	<u>16</u>	\$16,000							
Medicina		<u>12</u>			<u>12</u>				<u>8</u>	32	<u>7</u>	\$6,550							
Noto					<u>8</u>	<u>12</u>			<u>8</u>	28	<u>7</u>	\$5,950							
Ny Alesund	<u>16</u>	<u>24</u>	<u>24</u>		<u>16</u>				<u>8</u>	88	<u>18</u>	\$17,700							
O'Higgins				<u>24</u>	<u>16</u>					40	<u>10</u>	\$8,500							
Onsala	<u>16</u>				<u>12</u>				<u>8</u>	36	<u>9</u>	\$7,650							
Seshan		<u>48</u>			<u>12</u>				<u>8</u>	68	<u>13</u>	\$13,450							
Simeiz					<u>16</u>				<u>8</u>	24	<u>6</u>	\$5,100							
Svetloe					<u>16</u>				<u>8</u>	24	<u>6</u>	\$5,100							
TIGO	<u>16</u>	<u>48</u>	<u>24</u>	<u>24</u>	<u>8</u>					120	<u>24</u>	\$24,000							
Tsukuba	<u>4</u>	<u>48</u>			<u>16</u>				<u>8</u>	76	<u>15</u>	\$15,150							
Urumqi					<u>16</u>	<u>8</u>			<u>8</u>	32	<u>8</u>	\$6,800							
Westford		<u>48</u>	<u>24</u>		<u>16</u>					88	<u>16</u>	\$17,200	50						
Wetzell	<u>16</u>	<u>48</u>	<u>24</u>		<u>8</u>				<u>8</u>	104	<u>20</u>	\$20,600							
Yeves					<u>16</u>				<u>8</u>	24	<u>6</u>	\$5,100							
Yellowknife					<u>16</u>					16	<u>4</u>	\$3,400							
Totals	148	516	168	140	320	80	72	48		1492	316	\$ 302,800	150	0					
										\$223,800	\$ 79,000								