

**NASA Data Center Facility Information**

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DATA CENTER FACILITY GENERAL INFORMATION														
Center Name	Facility Identifier Name	Facility Location Identifier	Facility Establishment Date	Raised Flooring Sq Footage	Normal Flooring Sq Footage	Power Capacity per Sq Foot	Cooling Capacity per Sq Foot	Maximum Facility Power Capacity	Maximum Facility Cooling Capacity	Backup Power Type	UPS Capacity	Generator Type & Capacity	Facility Data Center Tier Rating	Primary Purpose of Data Center Facility?
MSFC	MSFC/NDC	<b>Building 4663</b> - 1) B Wing / 1st Floor 2) C Wing - C260 3) M wing - M211 4) B Wing - Basement Four (4) different computer rooms.	Building constructed in 1959 with additions in 1962 and 1965.	1) 11,600 sq. ft. 2) 1644 sq. ft. 3) 465 sq. ft. 4) 402 sq. ft.	1) 1493 sq. ft. 2) None 3) None 4) None	<b>Cray UPS</b> -27W/sq ft <b>B Wing UPS</b> -39W/sq ft <b>Bsmt UPS</b> - 27W/sqft	1) 290 BTU/hr / sq ft 2) 584 BTU/hr / sq ft 3) 1032 BTU/hr / sq ft 4) 597 BTU/hr / sq ft	882 KW of derated UPS power from three (3) UPS systems. These three UPS systems support all four computer room locations.	Two (2) 775 Ton Chillers for entire building.	Dual 4160V commercial feeds to building. Battery backup for each UPS. 1750 KW motor generator supports all three UPS systems.	Derated: 450 KW 270KW 162KW ~10-20 minutes of uptime	480V 1750 KW diesel motor generator	Tier 2	MSFC CIO IS01 provides MSFC and Agency services supporting MSFC Midrange servers and NASA Agency servers. Projects such as IEM, CBACS, NISE, NCAD, ESMD, NOMAD, NAIS, and WEBTADS are housed within the NDC Data Center.
ARC	Central Computing Facility (CCF)	<b>Building 233</b> , rooms 150, 165, 187, 188 & 189 <b>Building 254</b> , room 131 <b>Building 158</b> , room 131b	1960	5000	??(28K Sq. Ft. office & lab)	32 Watts/sq. ft.	109 BTU/Hr	260KW Computer	888 KBTU/Hr Computer	Generator Planned '09	160KWx60Min	Planned 1MW, 48Hrs	Tier-2	
DFRC	Flight Loads Laboratory	<b>Building 4820</b> , room 201	1964	1100		.00022/sqF		24 megawatts		.017 for 60				
DFRC	Security Control Center	<b>Building 4825</b> , Comm Room	37742	0	326			112.5 KVA		3 KVA	125 KVA	Tier 2		None
DFRC	Data Analysis Facility (DAF)	<b>Building 4838</b> <b>Building 4838</b> Rm 201 <b>Building 4838</b> Rm 205 <b>Building 4838</b> Rm 212 <b>Building 4838</b> Rm 120	1983	7515 2610 2541.25 1786 577.5	12345 9743			CRAC 1 CRAC 2 CRAC 3 CRAC 4 CRAC 5 AH-2	41391 48840 57810 34776 81224 25056		Diesel	1		ODIN, Arcata
GRC	IDAC Server Room	<b>Building 142</b> , Room 260F	1990	300	0	.000267 Mw/sq ft	60 BTU/hr/sq ft	80KVA	18000 BTU/hr	Building Generator	Refer to Facility Ops Division	Refer to Facility Ops Division	Tier 2	Secure server environment with Internal and External Services network access, ISDN and POTS lines, and uninterruptible power source to enable hardware servers to serve engineering applications.
GRC	ED Server Room	<b>Building 86</b> , Room 200C/F	2001	610.5	0	.000262 Mw/sq ft	118 BTU/sq ft	160KVA	72000 BTU	UPS Batteries	24kw for 30min.	none	Tier 1	Secure server environment for Engineering Application server hardware
GRC	GRC- Call Henry Incorporated (CHI)	<b>Building 107</b> Room 207	35855	unknown	115	unknown	unknown	unknown	unknown	Battery UPS	10A 1200W APPROX 15 MIN	unknown	Using uptime institutes standard of Teir 1-4	Contractor operations
GRC	GRC-Facilities Division Servers	<b>B21</b> Rm 223	38322	0	110	.25Amps	195 BTUH	30 Amps	24,000 BTUH	UPS	10A 1200W APPROX 60 MIN	unknown	Using uptime institutes standard of Teir 1-4	The server room is in support of Facilities Division operations
GRC	GRC-Central Control Building (CPDCS)	<b>Building 143</b> , Room 100-103	1980	2600	2600	0.000192308		.5MW		UPS	.024MW for 45min	unknown	???, High Uptime requirement 99%	Central Process Distributed Control System, Facility Support , Electrical Distribution, Equipment Operation
GRC	Escort Data Systems Data Center	<b>Building 142</b>	1980	not available	not available	not available	not available	not available	not available	not available	not available	not available	?	The Escort Data Systems Data Center is the name used to describe the MISSION EMBEDDED IT support for the GRC experimental facilities' data systems.
GRC	RAC	<b>Building 142</b> , room 160.	09/1981	450	0	91 KW/sqft	70 BTU/sqft	500 KW	1200000 BTU	UPS	500 KW for 90 minutes		3	Provide IT facilities to entire campus
HQ	Headquarters NHCC Data Center HITTS IT Support	<b>NASA HQ</b> , Concourse level, CW31	1994	4200sqft	0	2.5amps sqft 14.04w/sqft	76.8btu's/sqft	1Mkw	768k btu's	UPS(battery ups) 145 cells/10hrs	1.5Mkw	1500kw diesel generator	need clarification	HQ IT Data Center Services
JSC	AH Human Resources Office	<b>B46 Data Center</b> Room 300		4 sq ft		Two L6-30 receptacles One L6-20 receptacle				IRD PDU's				
JSC	FCOD/AOD Data Center	<b>EFD Building 273/102A</b>	1987	300	unknown					Battery	2 hours	None	unknown	AOD unique applications, web sites, databases, some file storage
JSC	FCOD/B4S Data Center	<b>B4S/6403</b>	1992		60	unknown	unknown	unknown	unknown	Battery	10 minutes	None	unknown	FCOD/Astronaut Office unique applications, web sites, databases, file storage
JSC	MOD office automation Data Center	<b>Building 30</b> , room 1043		634.5	All flooring is raised	0.000104019	1868.48227	0.066	1185552					Data host MOD support systems including Sharepoint servers, Web development and production servers, domain controllers and storage arrays. Servers are located in a room that is maintained by Center Operations Directorate. We only have servers and associated connectivity in the room and are not otherwise responsible for it.
JSC	B46 Data Center	<b>JSC-Building 46</b>	1988	13,204 (1st) 18,844 (2nd) 18,844 (3rd) 50,892 (Total)	9,281 (1st) 3,641 (2nd) 3,641 (3rd) 16,563 (Total)	49.3 Watts/square foot	136 BTU/square foot	3,324 KVA	765 Tons	None	850 KVA usable, approximately 15 minutes	None	Tier 1.	This is the Center Institutional Data Center High computing servers, print, web, application, and file servers, domain controllers, development servers, electronic messaging servers, etc
JSC	KA Server Room 1	<b>B. 31, Room 211a</b>	1962	0	150	Unknown	Unknown	Unknown	Unknown	UPS	450 W for 5.5 min (full power)	unknown	Unknown	Supports KA projects and programs
JSC	KA Server Room 2	<b>B. 31, Room 217</b>	1962	0	150	Unknown	Unknown	Unknown	Unknown	UPS	600 W for 16.6 min (full load)	unknown	Unknown	Supports KA projects and programs
JSC	KA Image Science & Analysis Facility (ISAL)	<b>B. 36, Room 2028</b>	1962	0	1000	Unknown	Unknown	Unknown	Unknown	UPS	600 W for 23 min (full load)	unknown	Unknown	Supports Shuttle and ISS Image Analysis and Earth Obs programs
JSC	KA Orbital Debris Facility	<b>B. 268</b>	approximately 1990	0	150	Unknown	Unknown	Unknown	Unknown	UPS	2750 W for 10 min (full load)	unknown	Unknown	Supports NASA Orbital Debris program
JSC	KA Hypervelocity Impact Technology Facility (HITF)	<b>B. 267, Room 100aa</b>	approximately 1990	0	150	Unknown	Unknown	Unknown	Unknown	UPS	450 W for 5.5 min (full power)	unknown	Unknown	Supports NASA Hypervelocity Impact Testing and Analysis for ISS, Shuttle, CEV



