

**2011
Malfunction/Abnormality Reporting System (MARS)
Review**



2011 MARS Count

Malf/Problem	Count
3-Ring HookUp Problem	2
AAD Problem	5
Cargo Chute Deployment	6
Cargo Rigging	4
Broken Cargo Static Line	1
Harness or Container problems	4
Harness/Container problems	3
Helmet Problem	3
Letdown/Letdown System	2
Manufacturing/Maintenance	3
Other	6
PG Bag Problem	3
Rigging Issues	5
Rips or Tears	1
Spinning	2
Rogue Drogue	1
Tension Knot	1
Total	52

2010 MARS Count	75
2009 MARS Count	58
2008 MARS Count	28
2007 MARS Count	31

Malf/Problem Other 2011

Number	ActivityType	Malf/Problem	Other	DateOfEvent
11-368-BOI	Jumping	Other	Tension on Steering line	16-Mar-11
11-375-BOI	Aircraft	Other	Arm hit emergency release handle in aircraft	28-Apr-11
11-378-AK	Jumping	Other	Getting in the door, static line around arm	11-May-11
11-380-AK	ParaCargo	Other	Softy twist buckle released	16-May-11
11-405-AK	ParaCargo	Other	Blocks left on Casa ramp	18-May-11
11-403-AK	Aircraft	Other	Simi seat plungers not seated.	27-May-11

2011 MARS with Discription

52 MARS were filed this year.

Number	ActivityType	Malf/Problem	Discription	DateOfEvent
11-361-BOI	Rigging	Manufacturing/Maintenance	Lines out of allignment.	28-Feb-11
11-362-BOI	Letdown	Rips or Tears	kevlar stiching had broke on the type 17 holding the o ring.	15-Mar-11
11-363-BOI	Letdown	Letdown/Letdown System	The 3-pt stitching on the Type XVII began to break	08-Mar-11
11-364-BOI	Jumping	3-Ring HookUp Problem	Miss routed main 3-ring cable	17-Mar-11
11-365-BOI	Jumping	Spinning	The chute looked like it had a line over and there was major end cell closure. It was beginning to go into a spin.	18-Mar-11
11-366-BOI	Jumping	3-Ring HookUp Problem	right side cable housing was routed outboard.	17-Mar-11
11-367-BOI	Jumping	Harness/Container problems	reserve Cobra was not clicked.	17-Mar-11
11-368-BOI	Jumping	Other	tension on the steering line	16-Mar-11
11-369-AK	Other	Helmet Problem	the mesh panel on the body of the Drogue snagged my mask in two places on the upper side of the cage.	28-Mar-11
11-370-WYS	Jumping	Helmet Problem	my face mask hooked on my reserve knife handle,	01-Apr-11
11-371-AK	Letdown	Letdown/Letdown System	not be able to undo the knot (due to the tension placed on it from the rope holding me up).	05-Apr-11
11-372-AK	Jumping	Harness/Container problems	I noticed that my right snap had gathered some fabric and the gate was partially opened.	21-Apr-11
11-373-AK	Letdown	Harness/Container problems	material from my jump suit had got caught up in my leg strap snap.	20-Apr-11
11-374-AK	Jumping	Tension Knot	slider had only descended about two thirds of the way down and in the front left slider grommet was a mess of lines entangled	25-Apr-11
11-375-BOI	Aircraft	Other	Arm hit emergency release handle in aircraft	28-Apr-11
11-376-BOI	Rigging	Rigging Issues	Missrouted static line	03-May-11

Number	ActivityType	Mal/Problem	Discription	DateOfEvent
11-377-BOI	Jumping	Harness or Container problems	I had missed hooking up my two upper main container pull the dot snaps	02-May-11
11-378-AK	Jumping	Other	the static line wrapped around my arm.	11-May-11
11-379-MSO	Jumping	AAD Problem	I turned the AAD on and it did not register.	10-May-11
11-380-AK	ParaCargo	Other	release twist buckle on my softie had released	16-May-11
11-381-MSO	Jumping	AAD Problem	would not activate	18-May-11
11-382-MSO	Jumping	AAD Problem	would not activate.	13-May-11
11-383-BOI	Rigging	AAD Problem	would not activate	25-May-11
11-384-BOI	Jumping	Harness or Container problems	Droop Riser was found to be untacked.	5/26/2011
11-385-AK	Jumping	Harness or Container problems	Belly Band unclipped	6/21/2011
11-386-AK	Jumping	Harness or Container problems	misrouted caribiner	08-Jun-11
11-387-BOI	Jumping	Rigging Issues	Knot in Drogue kill line	09-Jul-11
11-388-BOI	ParaCargo	Cargo Rigging	Fie box came ou of the rigging	23-Jul-11
11-389-GAC	Jumping	Spinning	End Cell Closure	25-Jul-11
11-390-BOI	Jumping	PG Bag Problem	taint strap stitching had come undone on my pack.	23-Jul-11
11-391-AK	ParaCargo	Cargo Chute Deployment	Chute seperated from cargo	03-Jun-11
11-392-AK	ParaCargo	Cargo Chute Deployment	Chute exploded on A22	27-May-11
11-393-BOI	Rigging	Rigging Issues	Jumpers not using the metal plates for rigging	05-Aug-11
11-394-BOI	Jumping	Helmet Problem	risors caught the undersides of my helmet and pulled my helmet off my head	07-Aug-11
11-395-BOI	Jumping	Rigging Issues	knot in Drogue kill line	12-Aug-11
11-396-BOI	ParaCargo	Cargo Chute Deployment	Static line cut spotter helmet cord	07-Aug-11
11-397-BOI	Rigging	Manufacturing/Maintenance	Bar tacs seperated on apex of drogue	16-Aug-11
11-398-BOI	Rigging	AAD Problem	would not activate	18-Aug-11
11-399-AK	ParaCargo	Cargo Chute Deployment	Canopys exploded	05-Jun-11
11-400-BOI	Jumping	PG Bag Problem	reserve cobra released.	13-Aug-11
11-401-BOI	Rigging	Manufacturing/Maintenance	stitched through the cotton webbing buffe	13-Sep-11
11-402-BOI	Jumping	PG Bag Problem	Draw string on PG-Bag around reserve handle	05-Aug-11
11-403-AK	Aircraft	Other	Simi seat plungers not seated	27-May-11
11-403-AK	ParaCargo	Cargo Chute Deployment	Load line unhooked	12-May-11

Number	ActivityType	Malf/Problem	Discription	DateOfEvent
11-404-AK	ParaCargo	Cargo Rigging	Chainsaw box came out of the rigging	16-May-11
11-405-AK	ParaCargo	Other	Wooden block left on ramp as it was shut	18-May-11
11-406-AK	ParaCargo	Cargo Rigging	Boxes fell out of A22	26-May-11
11-407-BOI	ParaCargo	Cargo Rigging	IA Chute rigged wrong	17-Jul-11
11-408-MSO	Rigging	Rigging Issues	noticed that suspension lines were visible near the upper corner of his container.	15-Sep-11
11-409-BOI	ParaCargo	Broken Cargo Static Line	Static Line not connected to D-bag	02-Oct-11
11-410-BOI	ParaCargo	Cargo Chute Deployment	Static line wrapped around D-bag	30-Jul-11
11-411-BOI	Rigging	Rogue Drogue	Drogue not hooked up	11-Oct-11

Count of MARS 2000 to 2011

Mal/Problem	Count
3-Ring HookUp Problem	2
3-Ring Hook-Up Problem	4
AAD Misfire	5
AAD Problem	37
Broken Brake Line	2
Broken Cargo Static Line	4
Canopy Openings	17
Cargo Chute Deployment	43
Cargo Rigging	30
Delayed Drogue 3-ring release	6
Exits	12
Harness or Container problems	11
Harness/Container problems	26
Helmet Problem	19
Horseshoe	3
Letdown/Letdown System	8
Lost Handle	1
Manufacturing/Maintenance	19
Manufacturing-Maintenance	1
Other	48
PG Bag Problem	10
Released Riser 3-ring	1
Rigging Issues	20
Rips or Tears	10
Rogue Drogue	28
Spinning	6
Streamer	1
Tension Knot	9
Twisted Riser(s)	4
Unstable Drogue Ride	22
Total	409

Malfunction/Problem by Year						
Malf/Problem	CountOf	Year		Malf/Problem	CountOf	Year
3-Ring Hook-Up Problem	2	2011		Cargo Rigging	4	2011
3-Ring Hook-Up Problem	3	2007		Cargo Rigging	4	2010
3-Ring Hook-Up Problem	1	2005		Cargo Rigging	5	2009
AAD Misfire	1	2010		Cargo Rigging	2	2008
AAD Misfire	1	2007		Cargo Rigging	4	2007
AAD Misfire	1	2004		Cargo Rigging	8	2006
AAD Misfire	2	2002		Cargo Rigging	1	2004
ADD Problem	5	2011		Cargo Rigging	1	2003
AAD Problem	7	2010		Cargo Rigging	2	2002
AAD Problem	6	2009		Delayed Drogue 3-ring release	1	2006
AAD Problem	6	2008		Delayed Drogue 3-ring release	2	2004
AAD Problem	4	2007		Delayed Drogue 3-ring release	1	2002
AAD Problem	8	2006		Delayed Drogue 3-ring release	2	2000
AAD Problem	1	2004		Exits	3	2010
Broken Brake Line	1	2007		Exits	2	2008
Broken Brake Line	1	2000		Exits	2	2007
Broken Cargo Static Line	1	2011		Exits	1	2005
Broken Cargo Static Line	1	2008		Exits	2	2004
Broken Cargo Static Line	1	2007		Exits	1	2003
Broken Cargo Static Line	2	2006		Exits	1	2002
Canopy Openings	3	2010		Exits	1	2001
Canopy Openings	7	2009		Harness/Container problems	7	2011
Canopy Openings	1	2007		Harness/Container problems	8	2010
Canopy Openings	2	2006		Harness/Container problems	11	2009
Canopy Openings	1	2005		Harness/Container problems	1	2007
Canopy Openings	1	2004		Harness/Container problems	4	2006
Canopy Openings	1	2001		Harness/Container problems	1	2005
Canopy Openings	1	2000		Harness/Container problems	1	2002
				Harness/Container problems	4	2001
				Harness/Container problems	1	2000

Malf/Problem	CountOf	Year		Malf/Problem	CountOf	Year
Cargo Chute Deployment	6	2011		Helmet Problem	3	2011
Cargo Chute Deployment	18	2010		Helmet Problem	3	2010
Cargo Chute Deployment	6	2009		Helmet Problem	4	2009
Cargo Chute Deployment	2	2007		Helmet Problem	3	2008
Cargo Chute Deployment	6	2006		Helmet Problem	1	2004
Cargo Chute Deployment	1	2004		Helmet Problem	2	2003
Cargo Chute Deployment	1	2002		Helmet Problem	3	2002
Cargo Chute Deployment	3	2001		Rogue Drogue	1	2011
Cargo Chute Deployment	1	2000		Rogue Drogue	2	2010
Horseshoe	2	2003		Rogue Drogue	2	2009
Horseshoe	1	2001		Rogue Drogue	2	2007
Letdown/Letdown System	2	2011		Rogue Drogue	3	2006
Letdown/Letdown System	2	2010		Rogue Drogue	1	2005
Letdown/Letdown System	2	2008		Rogue Drogue	1	2004
Letdown/Letdown System	2	2007		Rogue Drogue	2	2003
Lost Handle	1	2004		Rogue Drogue	9	2002
Manufacturing/Maintenance	3	2011		Rogue Drogue	6	2001
Manufacturing-Maintenance	1	2010		Spinning	2	2011
Manufacturing/Maintenance	2	2009		Spinning	1	2010
Manufacturing/Maintenance	4	2008		Spinning	1	2007
Manufacturing/Maintenance	2	2007		Spinning	1	2003
Manufacturing/Maintenance	2	2001		Spinning	1	2002
Manufacturing/Maintenance	3	2000		Streamer	1	2001
Manufacturing-Maintenance	1	2009		Steering Line Damage	7	2010

Malfunction
3-Ring Hook-Up Problem
AAD Misfire
AAD Problem
Broken Brake Line
Broken Cargo Static Line
Canopy Openings
Cargo Chute Deployment
Cargo Rigging
Collision
Delayed Drogue 3-ring release
Drogue-in-tow
Dual Canopies
Exits
Harness/Container problems
Helmet Problem
Horseshoe
Letdown/Letdown System
Lost Handle
Manufacturing/Maintenance
Other
PG Bag Problem
Released Riser 3-ring
Rigging Issues
Rips or Tears
Rogue Drogue
Spinning
Steering Line Damage
Streamer
Tension Knot
Twisted Riser(s)
Unstable Drogue Ride
Unstowed Brake(s)