

STS-114 Entry Timeline			SpaceCalc
Deorbit Ops	TIG-minus	Time	Rev. 186 Deorbit to KSC
KSC-186	TIG-4:00	12:44 AM	Begin deorbit timeline
	TIG-3:45	12:59 AM	Radiator stow
TIG:	TIG-3:35	01:09 AM	Mission specialists seat installation
04:44:00 AM	TIG-3:29	01:15 AM	Computers set for deorbit prep
dV: TBD	TIG-3:25	01:19 AM	Hydraulic system configuration
dT: TBD	TIG-3:00	01:44 AM	Flash evaporator checkout
Freefall: TBD	TIG-2:54	01:50 AM	Final payload deactivation
XR: TBD	TIG-2:40	02:04 AM	Payload bay doors closed
Range: TBD	TIG-2:30	02:14 AM	Mission control 'go' for OPS-3
Turn: TBD	TIG-2:20	02:24 AM	OPS-3 transition
	TIG-1:55	02:49 AM	Entry switchlist verification
Landing:	TIG-1:45	02:59 AM	Deorbit PAD update
05:46:00 AM	TIG-1:40	03:04 AM	Crew entry review
08/07/05	TIG-1:25	03:19 AM	CDR/PLT don entry suits
	TIG-1:08	03:36 AM	IMU alignment
Runway:	TIG-1:00	03:44 AM	CDR/PLT strap in; MS suit don
TBD	TIG-0:43	04:01 AM	Shuttle steering check
	TIG-0:40	04:04 AM	APU prestart
Wind Gusts:	TIG-0:33	04:11 AM	Toilet deactivation
TBD	TIG-0:25	04:19 AM	Vent doors closed for entry
	TIG-0:20	04:24 AM	MCC 'go' for deorbit burn
Direction:	TIG-0:14	04:30 AM	MS seat ingress
TBD	TIG-0:05	04:39 AM	Single APU start
		TBD	TDRS-West acquisition of signal
Crosswind:	TIG-0:00	4:44:00 AM	Deorbit ignition
TBD		TBD	Deorbit burn complete
		TBD	Entry interface
Constraint:		TBD	Roll reversal: TBD
TBD		TBD	Roll reversal: TBD
		TBD	Velocity less than mach 2.5
		TBD	Velocity less than mach 1
		TBD	Shuttle on the HAC
		5:46:00 AM	Landing
			Rev. 187 Deorbit to KSC
KSC 187	TIG-0:20	06:00 AM	MCC 'go' for deorbit burn
	TIG-0:14	06:06 AM	MS seat ingress
TIG:	TIG-0:05	06:15 AM	Single APU start
06:20:00 AM		TBD	AOS TDRS-West
dV: TBD	TIG-0:00	6:20:00 AM	Deorbit ignition
dT: TBD		TBD	Deorbit ignition complete
Freefall: TBD		TBD	Entry interface
XR: TBD		TBD	21-degree right roll command
Range: TBD		TBD	51-degree roll reversal
Turn: TBD		TBD	Velocity less than mach 2.5
		TBD	Velocity less than mach 1
Landing:		TBD	Shuttle on the HAC
07:22:00 AM		7:22:00 AM	Landing
			Rev. 188 Deorbit to EDW
EDW 188	TIG-0:20	07:29 AM	MCC 'go' for deorbit burn
	TIG-0:14	07:35 AM	MS seat ingress
TIG:	TIG-0:05	07:44 AM	Single APU start
07:49:00 AM	TIG-0:00	7:49:00 AM	Deorbit ignition
dV: TBD		TBD	Deorbit ignition complete
dT: TBD		TBD	AOS TDRS-West
Freefall: TBD		TBD	Entry interface
XR: TBD		TBD	13-degree left roll command
Range: TBD		TBD	65-degree roll reversal
Turn: TBD		TBD	Velocity less than mach 2.5
		TBD	Velocity less than mach 1
Landing:		TBD	Shuttle on the HAC
08:52:00 AM		8:52:00 AM	Landing
07/21/05 05:09:35 PM			By William Harwood