AutoConfig ARINC Label Conversion Table Definition

The following pages list the supported ARINC 429 labels and associated engineering conversions based on the respective Equipment ID. Each column is defined below for use with these pages.

The **Label** column contains the ARINC 429 labels supported by the engineering conversion feature.
The **Eq ID** column contains the ARINC 429 equipment IDs supported for the respective labels.
The **Parameter Name** column contains the ARINC 429 name associated with the respective message data type.
The **Units** column contains the units for which the conversion applies.
The **MSB Res.** column contains the resolution of bit 28 (zero-referenced) for any binary-related message data type.
The **N Digit** column contains the number of digits in (for BCD) or the data bit-field width of (for BNR), the message data field.
The **Frac.** column designates how many digits should be displayed to the right of the decimal point (displayed resolution only).
The **Conv.** column designates the type of conversion that will be applied to this specific label/equipment ID combination.
The **Sense** column designates the SSM bit definition for the display of the respective data (N/S, E/W, Up/Down, etc.)

Some notes on the conversion types:

BCD is almost always broken down into the following BCD-encoded bit fields. The fractional value (column Frac.) designates how many digits will be located to the right of the decimal point, and the number of digits (column N Digits) designates how many total characters/digits are associated with this conversion.

```
    b30         b29 28 27    b26 25 24 23    b22 21 20 19    b18 17 16 15    b14 13 12 b11
 sign bit    5th digit        4th digit        3rd digit        2nd digit        1st digit
```

LAT/LOT (latitude/longitude) is almost always broken down into the following BCD-encoded bit fields; very much like the BCD conversion, only the SDI bits are consumed by the 1st digit.

```
    b30         b29   b28 27 26 25    b24 23 22 21    b20 19 18 17    b16 15 14 13    b12 11 10 b09
 sign bit    6th      5th digit        4th digit        3rd digit        2nd digit        1st digit
```

BNR is almost always defined with the data field MSB as bit 28, encasing the bit field width from b28 down for "N Digits" number of bits. The MSB Res. is the max scale value (the value of bit 28) for this conversion.

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv.	Sense
001								
	0x002	Distance to go	N.M.	3999.900	5	1	BCD	
002								
	0x002	Time to go	Min	399.900	4	1	BCD	
003								
	0x002	Cross track distance	N.M.	399.900	4	1	BCD	
004								
	0x001	Runway distance to go	Feet	79900.000	5	0	BCD	
010								
	0x002	Present Pos – Latitude	Deg:Min	180.000	6	3	LAT	N
	0x004	Present Pos – Latitude	Deg:Min	180.000	6	3	LAT	N
	0x038	Present Pos – Latitude	Deg:Min	180.000	6	3	LAT	N
011								
	0x002	Present Pos – Longitude	Deg:Min	180.000	6	3	LOT	E
	0x004	Present Pos – Longitude	Deg:Min	180.000	6	3	LOT	E
	0x038	Present Pos – Longitude	Deg:Min	180.000	6	3	LOT	E
012								
	0x002	Ground Speed	Knots	7000.000	4	0	BCD	
	0x004	Ground Speed	Knots	7000.000	4	0	BCD	
	0x005	Ground Speed	Knots	7000.000	4	0	BCD	
	0x025	Ground Speed	Knots	7000.000	4	0	BCD	
	0x038	Ground Speed	Knots	7000.000	4	0	BCD	
013								
	0x002	Track Angle-True	Deg	359.900	4	1	BCD	
	0x004	Track Angle-True	Deg	359.900	4	1	BCD	
	0x038	Track Angle-True	Deg	359.900	4	1	BCD	
014								
	0x004	Magnetic Heading	Deg	359.900	4	1	BCD	
	0x005	Magnetic Heading	Deg	359.900	4	1	BCD	
	0x038	Magnetic Heading	Deg	359.900	4	1	BCD	
015								
	0x002	Wind Speed	Knots	799.000	3	0	BCD	
	0x004	Wind Speed	Knots	799.000	3	0	BCD	
	0x005	Wind Speed	Knots	799.000	3	0	BCD	
	0x035	Altitude Limits		0.000	0	0	ALT	
	0x038	Wind Speed	Knots	799.000	3	0	BCD	
016								
	0x004	Wind Direction - True	Deg	359.000	3	0	BCD	
	0x038	Wind Direction - True	Deg	359.000	3	0	BCD	
	0x075	4096 Ident Code		0.000	0	0	GE2	
017								
	0x010	Selected Runway Heading	Deg	359.900	4	1	BCD	

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv.	Sense
	0x0B0	Selected Runway Heading	Deg	359.900	4	1	BCD	
020								
	0x020	Selected Vertical Speed	Ft/Min	6000.000	4	0	BCD	UPWARD
	0x0A1	Selected Vertical Speed	Ft/Min	6000.000	4	0	BCD	UPWARD
021								
	0x002	Selected N1	RPM	3000.000	4	0	BCD	
	0x020	Selected N1	RPM	3000.000	4	0	BCD	
	0x0A1	Selected N1	RPM	3000.000	4	0	BCD	
022								
	0x020	Selected Mach	Mach	4.000	4	3	BCD	
	0x0A1	Selected Mach	Mach	4.000	4	3	BCD	
023								
	0x020	Selected Heading	Deg	359.000	3	0	BCD	
	0x0A1	Selected Heading	Deg	359.000	3	0	BCD	
024								
	0x011	Selected Course #1	Deg	359.000	3	0	BCD	
	0x020	Selected Course #1	Deg	359.000	3	0	BCD	
	0x0A1	Selected Course #1	Deg	359.000	3	0	BCD	
	0x0B1	Selected Course #1	Deg	359.000	3	0	BCD	
025								
	0x020	Selected Altitude	Feet	50000.000	5	0	BCD	
	0x0A1	Selected Altitude	Feet	50000.000	5	0	BCD	
026								
	0x003	Selected Airspeed	Knots	450.000	3	0	BCD	
	0x020	Selected Airspeed	Knots	450.000	3	0	BCD	
	0x0A1	Selected Airspeed	Knots	450.000	3	0	BCD	
027								
	0x011	Selected Course #2	Deg	359.000	3	0	BCD	
	0x020	Selected Course #2	Deg	359.000	3	0	BCD	
	0x0A1	Selected Course #2	Deg	359.000	3	0	BCD	
	0x0B1	Selected Course #2	Deg	359.000	3	0	BCD	
030								
	0x020	VHF COM Frequency	MHZ	70.000	5	3	BCD	
	0x024	VHF COM Frequency	MHZ	70.000	5	3	BCD	
	0x075	VHF COM Frequency	MHZ	70.000	5	3	GE1	
	0x0B6	VHF COM Frequency	MHZ	70.000	5	3	BCD	
031								
	0x020	Beacon Transponder Code		7000.000	4	0	ATC	
	0x035	Ident Code A B C D		0.000	0	0	BR4	
	0x075	Beacon Transponder Code		7000.000	4	0	ATC	
	0x0B8	Beacon Transponder Code		7000.000	4	0	ATC	
032								

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv.	Sense
	0x012	ADF Frequency	KHZ	7000.000	4	0	ADF	
	0x020	ADF Frequency	KHZ	7000.000	4	0	ADF	
	0x075	ADF Frequency	KHZ	7000.000	4	0	ADF	
	0x0B2	ADF Frequency	KHZ	7000.000	4	0	ADF	
033								
	0x002	ILS Frequency	MHZ	70.000	4	2	ILS	
	0x010	ILS Frequency	MHZ	70.000	4	2	ILS	
	0x020	ILS Frequency	MHZ	70.000	4	2	ILS	
	0x0B0	ILS Frequency	MHZ	70.000	4	2	ILS	
034								
	0x002	VOR/ILS Frequency	MHZ	70.000	4	2	VLR	
	0x006	Baro Correction (mB) #3	mB	1050.000	5	1	BCD	
	0x011	VOR/ILS Frequency	MHZ	70.000	4	2	VLR	
	0x020	VOR/ILS Frequency	MHZ	70.000	4	2	VLR	
	0x0B0	VOR/ILS Frequency	MHZ	70.000	4	2	VLR	
035								
	0x002	DME Frequency	MHZ	70.000	3	1	DME	
	0x006	Baro Correction(ins of Hg)	ins Hg	31.000	5	3	BCD	
	0x009	DME Frequency	MHZ	70.000	3	1	DME	
	0x020	DME Frequency	MHZ	70.000	3	1	DME	
	0x0A9	DME Frequency	MHZ	70.000	3	1	DME	
037								
	0x020	HF COM Frequency	MHZ	20.000	5	3	HFF	
	0x0B9	HF COM Frequency	MHZ	20.000	5	3	HFF	
041								
	0x002	Set Latitude	Deg:Min	180.000	6	3	LAT	N
	0x004	Set Latitude	Deg:Min	180.000	6	3	LAT	N
	0x020	Set Latitude	Deg:Min	180.000	6	3	LAT	N
	0x0A4	Set Latitude	Deg:Min	180.000	6	3	LAT	N
042								
	0x002	Set Longitude	Deg:Min	180.000	6	3	LOT	E
	0x004	Set Longitude	Deg:Min	180.000	6	3	LOT	E
	0x020	Set Longitude	Deg:Min	180.000	6	3	LOT	E
	0x0A4	Set Longitude	Deg:Min	180.000	6	3	LOT	E
043								
	0x002	Set Magnetic Heading	Deg	359.000	3	0	BCD	
	0x004	Set Magnetic Heading	Deg	359.000	3	0	BCD	
	0x020	Set Magnetic Heading	Deg	359.000	3	0	BCD	
	0x0A4	Set Magnetic Heading	Deg	359.000	3	0	BCD	
044								
	0x004	True Heading	Deg	359.900	4	1	BCD	
	0x038	True Heading	Deg	359.900	4	1	BCD	

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv. Sense
045							
	0x003	Minimum Airspeed	Knots	259.000	4	1	BCD
046							
	0x033	Engine Serial No. (LSDs)		999.000	4	0	ESN
047							
	0x033	Engine Serial No. (MSDs)		999.000	4	0	ESN
	0x075	VHF COM Frequency	MHZ	70.000	5	3	GE1
	0x0B6	VHF COM Frequency	MHZ	70.000	5	3	BCD
053							
	0x004	Track Angle-Magnetic	Deg	359.000	3	0	BCD
	0x005	Track Angle-Magnetic	Deg	359.000	3	0	BCD
056							
	0x002	Estimated Time of Arrival	Hr:Min	2359.900	5	1	BCD
	0x005	Wind Direction-Magnetic	Deg	359.000	3	0	BCD
	0x037	Gross Weight (Kilograms)	100 Kg	19999.000	5	0	BCD
060							
	0x037	Tire Loading (Left Body Main)	%	299.900	4	1	BCD
	0x03C	Tire Pressure (Left Inner)	PSIS	1024.000	10	0	BNR
061							
	0x037	Tire Loading (Right Body Main)	%	299.900	4	1	BCD
	0x03C	Tire Pressure (Left Outer)	PSIS	1024.000	10	0	BNR
062							
	0x037	Tire Loading (Left Wing Main)	%	299.900	4	1	BCD
	0x03C	Tire Pressure (Right Inner)	PSIS	1024.000	10	0	BNR
063							
	0x037	Tire Loading (Right Main Wing)	%	299.900	4	1	BCD
	0x03C	Tire Pressure (Right Outer)	PSIS	1024.000	10	0	BNR
064							
	0x037	Tire Loading (Nose)	%	299.900	4	1	BCD
	0x03C	Tire Pressure (Nose)	PSIS	1024.000	10	0	BNR
065							
	0x003	Gross Weight	100 lb.	12000.000	5	0	BCD
	0x037	Gross Weight	100 lb.	12000.000	5	0	BCD
066							
	0x002	Longitudinal Center of Gravity	% MAC	100.000	5	2	BCD
	0x037	Longitudinal Center of Gravity	% MAC	100.000	5	2	BCD
067							
	0x037	Lateral Center of Gravity	% MAC	100.000	5	2	BCD
070							
	0x002	Reference Airspeed (Vref)	Knots	512.000	11	2	BNR
	0x029	AC Frequency (Engine)	Hz	512.000	11	2	BNR
	0x0CC	Brakes-Metered Hyd. Press. L (Nrm)	PSIG	4096.000	12	0	BNR

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv. Sense
071							
	0x002	Take-Off Climb Airspeed (V2)	Knots	512.000	11	2	BNR
	0x029	AC Frequency (Alt. Source)	Hz	512.000	11	2	BNR
	0x033	VBC	Deg	64.000	12	3	BNR
	0x0CC	Brakes-Metered Hyd. Press. L (Alt)	PSIG	4096.000	12	0	BNR
072							
	0x002	VR (Rotation Speed)	Deg/180	180.000	11	1	BNR
	0x01C	Stator Vane Angle	Deg/180	180.000	11	1	BNR
	0x029	AC Voltage (Engine)	Volts	256.000	10	2	BNR
	0x02F	Stator Vane Angle	Deg/180	180.000	11	1	BNR
	0x033	Stator Vane Angle	Deg	64.000	12	3	BNR
	0x0CC	Brakes-Metered Hyd. Press. R (Nrm)	PSIG	4096.000	12	0	BNR
073							
	0x002	V1 (Critical Engine Failure Speed)	Knots	512.000	11	2	BNR
	0x01C	Oil Quantity	cc	32768.000	8	0	BNR
	0x029	Oil Quantity	US Pint	128.000	9	2	BNR
	0x0A2	V2 (Critical Engine Failure Speed)	Knots	512.000	11	2	BNR
	0x0CC	Brakes-Metered Hyd. (float)Press. R (Alt)	PSIG	4096.000	12	0	BNR
074							
	0x002	Zero Fuel Weight	Lbs	1310720.000	15	0	BNR
	0x02C	Zero Fuel Weight	Lbs	1310720.000	15	0	BNR
	0x033	LP Compressor Bleed Pos. (3.0)	inches	4.000	10	3	BNR
075							
	0x002	Gross Weight	Lbs	1310720.000	15	0	BNR
	0x003	Gross Weight	Lbs	1310720.000	15	0	BNR
	0x00B	Geodetic Altitude	Feet	131072.000	17	0	BNR
	0x029	AC Voltage (Alt Source)	Volts	256.000	10	2	BNR
	0x02C	Gross Weight	Lbs	1310720.000	15	0	BNR
	0x037	Gross Weight	Lbs	1310720.000	15	0	BNR
	0x03E	Gross Weight	Lbs	1310720.000	15	0	BNR
076							
	0x00B	GPS Height Above Ref Elipsoid	Feet	131072.000	17	0	BNR
	0x029	AC Voltage (Bus Bar)	Volts	256.000	10	2	BNR
	0x037	Longitudinal Center of Gravity	% MAC	16384.000	14	2	BNR
	0x03E	Longitudinal Center of Gravity	%	164.000	14	2	BNR
077							
	0x002	Target Airspeed	Knots	512.000	11	2	BNR
	0x00B	GPS Hor/Vert Deviation	% FS	128.000	8	1	GPS
	0x029	AC Load Engine	%	256.000	8	0	BNR
100							
	0x001	Selected Course #1	Deg/180	180.000	12	2	BNR
	0x002	Selected Course #1	Deg/180	180.000	12	2	BNR

Label Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv.	Sense
0x011	Selected Course #1	Deg/180	180.000	12	2	BNR	
0x020	Selected Course #1	Deg/180	180.000	12	2	BNR	
0x029	AC Load (Alt. Source)	%	128.000	8	0	BNR	
0x037	Gross Weight (Kilograms)	Kilograms	655360.000	15	0	BNR	
0x0A1	Selected Course #1	Deg/180	180.000	12	2	BNR	
0x0B1	Selected Course #1	Deg/180	180.000	12	2	BNR	
0x0BB	Outboard Flaps - PDU	Deg/180	180.000	12	2	BNR	
101							
0x002	Selected Heading	Deg/180	180.000	12	2	BNR	
0x020	Selected Heading	Deg/180	180.000	12	2	BNR	
0x029	DC Current (TRU)	Amperes	256.000	8	0	BNR	
0x0A1	Selected Heading	Deg/180	180.000	12	2	BNR	
0x0BB	Inboard Flaps - PDU	Deg/180	180.000	12	2	BNR	
102							
0x002	Selected Altitude	Feet	65536.000	16	0	BNR	
0x020	Selected Altitude	Feet	65536.000	16	0	BNR	
0x029	DC Current (Battery)	Amperes	256.000	8	0	BNR	
0x0A1	Selected Altitude	Feet	65536.000	16	0	BNR	
103							
0x001	Selected Airspeed	Knots	512.000	11	2	BNR	
0x002	Selected Airspeed	Knots	512.000	11	2	BNR	
0x003	Selected Airspeed	Knots	512.000	11	2	BNR	
0x01B	Left/PDU Flap	Deg/180	180.000	18	6	BNR	
0x020	Selected Airspeed	Knots	512.000	11	2	BNR	
0x029	DC Voltage (TRU)	Volts	128.000	9	2	BNR	
0x0A1	Selected Airspeed	Knots	512.000	11	2	BNR	
0x0BB	Left Outboard Flap Position	Deg/180	180.000	12	2	BNR	
104							
0x001	Selected Vertical Speed	Ft/Min	16384.000	10	0	BNR	UPWARD
0x002	Selected Vertical Speed	Ft/Min	16384.000	10	0	BNR	UPWARD
0x01B	Right/PDU Flap	Deg/180	180.000	18	6	BNR	
0x020	Selected Vertical Speed	Ft/Min	16384.000	10	0	BNR	UPWARD
0x029	DC Voltage (Battery)	Volts	128.000	9	2	BNR	
0x02B	Selected Vertical Speed	Ft/Min	16384.000	14	0	BNR	UP
0x0A1	Selected Vertical Speed	Ft/Min	16384.000	10	0	BNR	UPWARD
0x0BB	Right Outboard Flap Position	Deg/180	180.000	12	2	BNR	
105							
0x002	Selected Runway Heading	Deg/180	180.000	11	1	BNR	
0x010	Selected Runway Heading	Deg/180	180.000	11	1	BNR	
0x01B	Left/PDU Slat	Deg/180	180.000	18	6	BNR	
0x020	Selected Runway Heading	Deg/180	180.000	11	1	BNR	
0x029	Oil Temperature Input (IDG/CSD)	Deg C	2048.000	12	1	BNR	

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv.	Sense
	0x0A1	Selected Runway Heading	Deg/180	180.000	11	1	BNR	
	0x0B0	Selected Runway Heading	Deg/180	180.000	11	1	BNR	
	0x0BB	Left Inboard Flap Position	Deg/180	180.000	12	2	BNR	
106								
	0x002	Selected Mach	m Mach	4096.000	12	0	BNR	
	0x01B	Right/PDU Slat	Deg/180	180.000	18	6	BNR	
	0x020	Selected Mach	m Mach	4096.000	13	1	BNR	
	0x029	Oil Temperature Input (IDG/CSD)	Deg C	2048.000	12	1	BNR	
	0x0A1	Selected Mach	m Mach	4096.000	12	0	BNR	
	0x0BB	Right Inboard Flap Position	Deg/180	180.000	12	2	BNR	
107								
	0x002	Selected Cruise Altitude	Feet	65536.000	16	0	BNR	UP
	0x01B	Flap/Slat Lever	Deg/180	180.000	18	6	SLT	
110								
	0x001	Selected Course #2	Deg/180	180.000	12	2	BNR	
	0x002	Selected Course #2	Deg/180	180.000	12	2	BNR	
	0x010	Selected Course #2	Deg/180	180.000	12	2	BNR	
	0x011	Selected Course #2	Deg/180	180.000	12	2	BNR	
	0x020	Selected Course #2	Deg/180	180.000	12	2	BNR	
	0x0A1	Selected Course #2	Deg/180	180.000	12	2	BNR	
	0x0B1	Selected Course #2	Deg/180	180.000	12	2	BNR	
112								
	0x002	Runway Length	Feet	20480.000	11	0	BNR	
	0x0A1	Selected N1	RPM	4096.000	12	0	BNR	
114								
	0x002	Desired Track	Deg/180	180.000	12	2	BNR	
	0x029	Brake Temperature (Left Inner L/G)	Deg C	2048.000	11	0	BNR	
	0x02F	Ambient Pressure	PSIA	32.000	14	3	BNR	
	0x03F	Pamb Sensor	PSIA	32.000	14	3	BNR	
	0x0CC	Wheel Torque Output	Lb/Ft	16384.000	12	0	BNR	
115								
	0x002	Waypoint Bearing	Deg/180	180.000	12	2	BNR	
	0x029	Brake Temperature (Left Outer L/G)	Deg C	2048.000	11	0	BNR	
	0x02F	Fuel Temperature	Deg C	512.000	11	2	BNR	
	0x03F	Fuel Temperature	Deg C	512.000	11	2	BNR	
	0x0BC	Fuel Temperature	Deg C	256.000	8	0	BNR	
	0x0CC	Wheel Torque Output	Lb/Ft	16384.000	12	0	BNR	
116								
	0x002	Cross Track Distance	N.M.	128.000	15	3	BNR	
	0x029	Brake Temp (Right Inner L/G)	Deg C	2048.000	11	0	BNR	
	0x0CC	Wheel Torque Output	Lb/Ft	16384.000	12	0	BNR	
117								

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv.	Sense
	0x002	Vertical Deviation	Feet	2048.000	11	0	BNR	
	0x029	Brake Temp (Right Outer L/G)	Deg C	2048.000	11	0	BNR	
	0x0CC	Wheel Torque Output	Lb/Ft	16384.000	12	0	BNR	
120								
	0x002	Range to Altitude	N.M.	512.000	15	3	BNR	
121								
	0x002	Horizontal Command Signal	Deg/180	180.000	14	2	BNR	
122								
	0x002	Vertical Command Signal	Deg/180	180.000	12	2	BNR	
123								
	0x002	Throttle Command	Deg/Sec	256.000	18	3	BNR	
125								
	0x031	Greenwich Mean Time	Hr:Min	2359.900	5	1	BCD	
	0x075	CRC		1048576.000	20	0	BNR	
126								
	0x002	Vertical Deviation (wide)	Feet	32768.000	15	0	BNR	ABOVE SEL ALT
127								
	0x002	Selected Landing Altitude	Feet	65536.000	16	0	BNR	UP
	0x01B	Slat Angle	Deg/180	180.000	12	2	SLT	
	0x033	P14	PSIA	32.000	14	3	BNR	
130								
	0x01A	Fan Inlet Total Temperature	Deg C	128.000	11	2	BNR	
	0x01C	Fan Inlet Total Temperature	Deg C	128.000	11	2	BNR	
	0x02F	Fan Inlet Total Temperature	Deg C	128.000	11	2	BNR	
	0x030	TCAS Range Word		15.938	8	3	TRW	
	0x035	TCAS Range Word		15.938	8	3	TRW	
	0x03F	Fan Inlet Total Temperature	Deg C	128.000	11	2	BNR	
131								
	0x01A	Fan Inlet Total Pressure	PSIA	32.000	13	3	BNR	
	0x01C	Fan Inlet Total Pressure	PSIA	32.000	13	3	BNR	
	0x02D	Fan Inlet Total Pressure	PSIA	32.000	13	3	BNR	
	0x02F	Fan Inlet Total Pressure	PSIA	32.000	13	3	BNR	
	0x030	TCAS Altitude Word		12700.000	7	0	TRA	
	0x033	Fan Inlet Total Pressure	PSIA	32.000	13	3	BNR	
	0x035	TCAS Altitude Word		12700.000	7	0	TRA	
132								
	0x01A	Exhaust Gas Total Pressure	PSIA	32.000	14	3	BNR	
	0x01C	Exhaust Gas Total Pressure	PSIA	32.000	14	3	BNR	
	0x030	TCAS Bearing Word		180.000	8	0	TRB	
	0x033	Exhaust Gas Total Pressure	PSIA	32.000	14	3	BNR	
	0x035	TCAS Bearing Word		180.000	8	0	TRB	
133								

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv.	Sense
	0x01A	Thrust Lever Angle	Deg/180	180.000	12	2	BNR	
	0x02F	Thrust Lever Angle	Deg/180	180.000	12	2	BNR	
	0x03F	Thrust Lever Angle	Deg/180	180.000	12	2	BNR	
134								
	0x01C	Power Lever Angle	Deg/180	180.000	12	2	BNR	
135								
	0x01C	Engine Vibration #1	in/sec	8.000	12	3	BNR	
	0x029	Engine Fan Vibration	% FS	128.000	7	0	BNR	
136								
	0x01C	Engine Vibration #2	in/sec	8.000	12	3	BNR	
137								
	0x01B	Flap Angle	Deg/180	180.000	12	2	SLT	
	0x02A	Flap Angle	Deg/180	180.000	12	2	SLT	
	0x02F	Thrust Reverser Position Feedback	%	128.000	12	2	BNR	
	0x03F	Thrust Reverser Position Feedback	%	128.000	12	2	BNR	
140								
	0x001	Flight Director - Roll	Deg/180	180.000	12	2	BNR	
	0x025	Flight Director - Roll	Deg/180	180.000	10	2	BNR	
141								
	0x001	Flight Director - Pitch	Deg/180	180.000	12	2	BNR	
	0x025	Flight Director - Pitch	Deg/180	180.000	10	2	BNR	
142								
	0x002	Flight Director - Fast/Slow	Knots	32.000	12	3	BNR	
	0x003	Flight Director - Fast/Slow	Knots	32.000	12	3	BNR	
	0x025	Flight Director - Fast/Slow	Knots	32.000	8	3	BNR	
143								
	0x001	Flight Director - Yaw	Deg/180	180.000	12	2	BNR	
144								
	0x02B	Altitude Error	Feet	8192.000	14	0	BNR	ABOVE CMD ALT
150								
	0x002	Greenwich Mean Time	Hr:Min	0.000	0	0	GMT	
	0x031	Greenwich Mean Time	Hr:Min	0.000	0	0	GMT	
151								
	0x002	Localizer Bearing (True)	Deg/180	180.000	11	1	BNR	
153								
	0x002	Maximum Altitude	Feet	65536.000	16	0	BNR	ABOVE S.L.
154								
	0x002	Runway Heading (True)	N.M.	512.000	16	3	BNR	
162								
	0x012	ADF Bearing	Deg/180	180.000	12	2	BNR	
	0x029	Crew Oxygen Pressure	PSI	4096.000	12	0	BNR	
164								

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv. Sense
	0x002	Minimum Descent Altitude (MDA)	Feet	8192.000	16	3	BNR
	0x003	Target Height	Feet	8192.000	16	3	BNR
	0x007	Radio Height	Feet	8192.000	16	3	BNR
	0x025	Radio Height	Feet	8192.000	12	0	BNR
	0x03B	Radio Height	VDC	32.000	11	3	BNR
165							
	0x007	Radio Height	Feet	7999.900	5	1	BCD
166							
	0x007	RALT Check Point Deviation	Feet	512.000	10	1	BNR
170							
	0x025	Decision Height Selected (EFI)	Feet	7000.000	5	0	BCD
	0x0C5	Decision Height Selected (EFI)	Feet	7000.000	5	0	BCD
173							
	0x010	Localizer Deviation	DDM	0.400	12	4	BNR
	0x025	Localizer Deviation	DDM	0.400	10	4	BNR
	0x029	Hydraulic Quantity	%	128.000	7	0	BNR
	0x03B	Localizer Deviation	Dots	4.000	11	3	BNR
	0x0BD	Hydraulic Quantity	%	128.000	7	0	BNR
174							
	0x003	Delayed Flap Approach Speed (DFA)	Knots	512.000	11	2	BNR
	0x010	Glideslope Deviation	DDM	0.800	12	4	BNR
	0x029	Hydraulic Pressure	PSI	4096.000	12	0	BNR
	0x03B	Glideslope Deviation	Dots	4.000	11	4	BNR
175							
	0x003	Economical Speed	Knots	1024.000	14	2	BNR
	0x029	EGT (APU)	Deg C	2048.000	11	0	BNR
	0x033	Hydraulic Pump Case Drain Temp.	Deg C	256.000	12	2	BNR
176							
	0x003	Economical Mach	m Mach	4096.000	13	1	BNR
	0x029	RPM (APU)	% RPM	256.000	9	1	BNR
	0x038	Left Static Pressure	mB	2048.000	18	3	BNR
	0x05A	Fuel Tank #1 Temperature	Deg C	512.000	11	2	BNR
	0x0AD	Static Pressure Left	mB	2048.000	18	3	BNR
177							
	0x003	Economical Flight Level	Feet	131072.000	17	0	BNR
	0x029	Oil Quantity (APU)	US Pint	128.000	9	2	BNR
	0x038	Right Static Pressure	mB	2048.000	18	3	BNR
	0x05A	Fuel Tank #2 Temperature	Deg C	512.000	11	2	BNR
	0x0AD	Static Pressure Right	mB	2048.000	18	3	BNR
200							
	0x002	Drift Angle	Deg	180.000	4	1	BCD
	0x004	Drift Angle	Deg	180.000	4	1	BCD

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv. Sense
	0x05A	Fuel Tank #3 Temperature	Deg C	512.000	11	2	BNR
201							
	0x009	DME Distance	N.M.	399.990	5	2	BCD
	0x05A	Fuel Tank #4 Temperature	Deg C	512.000	11	2	BNR
202							
	0x002	Energy Management (clean)	N.M.	512.000	16	3	BNR
	0x009	DME Distance	N.M.	512.000	16	3	BNR
	0x05A	Fuel Tank #5 Temperature	Deg C	512.000	11	2	BNR
203							
	0x002	Energy Management Speed Brakes	N.M.	512.000	15	3	BNR
	0x006	Altitude (1013.25 mB)	Feet	131072.000	17	0	BNR
	0x018	Altitude (feet)	Feet	131072.000	17	0	BNR
	0x038	Altitude (1013.25 mB)	Feet	131072.000	17	0	BNR
	0x05A	Fuel Tank #6 Temperature	Deg C	512.000	11	2	BNR
204							
	0x002	Utility Airspeed	Knots	512.000	11	2	BNR
	0x006	Baro Correction Altitude #1	Feet	131072.000	17	0	BNR
	0x038	Baro Correction Altitude #1	Feet	131072.000	17	0	BNR
	0x05A	Fuel Tank Temp, #7	Deg C	512.000	11	2	BNR
205							
	0x002	HF COM Frequency (New Format)	MHZ	20.000	5	3	HFF
	0x006	Mach	Mach	4.096	16	7	BNR
	0x01A	Mach	Mach	4.096	16	7	BNR
	0x038	Mach	Mach	4.096	16	7	BNR
	0x05A	Fuel Tank #8 Temp.	Deg C	512.000	11	2	BNR
	0x075	HF COM Frequency Words	MHZ	70.000	5	3	GE4
	0x0B9	HF COM Frequency (New Format)	MHZ	20.000	5	3	HFF
206							
	0x006	Computed Airspeed	Knots	1024.000	14	4	BNR
	0x018	Altitude (Variable Resolution)	Feet	0.000	15	0	AVR
	0x038	Computed Airspeed	Knots	1024.000	14	4	BNR
	0x0CC	Taxi Speed	Knots	512.000	11	2	BNR
207							
	0x006	Maximum Allowable Airspeed	Knots	1024.000	12	2	BNR
	0x00A	Maximum Allowable Airspeed	Knots	512.000	11	2	BNR
	0x038	Maximum Allowable Airspeed	Knots	1024.000	12	2	BNR
	0x075	HF COMM Data		0.000	0	0	BIN
210							
	0x006	True Airspeed	Knots	2048.000	15	4	BNR
	0x038	True Airspeed	Knots	2048.000	15	4	BNR
	0x075	VHF Audio Gain #3 #2 #1		0.000	0	0	AUD
	0x0F9	VHF Audio Gain #3 #2 #1		0.000	0	0	AUD

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv. Sense
211							
	0x002	Total Air Temperature	Deg C	512.000	11	2	BNR
	0x003	Total Air Temperature	Deg C	512.000	11	2	BNR
	0x006	Total Air Temperature	Deg C	512.000	11	2	BNR
	0x01A	Total Air Temperature	Deg C	512.000	11	2	BNR
	0x038	Total Air Temperature	Deg C	512.000	11	2	BNR
	0x075	HF Audio Gain #3 #2 #1		0.000	0	0	AUD
	0x0F9	HF Audio Gain #3 #2 #1		0.000	0	0	AUD
212							
	0x004	Altitude Rate	Ft/Min	32768.000	11	0	BNR
	0x005	Altitude Rate	Ft/Min	32768.000	11	0	BNR
	0x006	Altitude Rate	Ft/Min	32768.000	11	0	BNR
	0x038	Altitude Rate	Ft/Min	32768.000	11	0	BNR
	0x03B	Altitude Rate	Ft/Min	32768.000	11	0	BNR
	0x075	PA Gain, ADF Gain #2 #1		0.000	3	2	AUD
	0x0F9	PA Gain, ADF Gain #2 #1		0.000	3	2	AUD
213							
	0x002	Static Air Temperature	Deg C	512.000	11	3	BNR
	0x006	Static Air Temperature	Deg C	512.000	11	2	BNR
	0x038	Static Air Temperature	Deg C	512.000	11	2	BNR
	0x075	MKR Gain,VOR Gain #2 #1		0.000	4	7	AUD
	0x08D	Fuel Used	Lbs	262144.000	18	0	BNR
	0x0F9	MKR Gain,VOR Gain #2 #1		0.000	4	7	AUD
215							
	0x006	Impact Pressure	mB	512.000	14	5	BNR
	0x01A	Impact Pressure	mB	512.000	14	5	BNR
	0x029	N1 Actual (EEC)	% RPM	256.000	14	3	BNR
	0x038	Impact Pressure	mB	512.000	14	5	BNR
	0x075	INT Audio Gain #3 #2 #1		0.000	1	0	AUD
	0x0AD	Differential Pressure	mB	512.000	16	3	BNR
	0x0F9	INT Audio Gain #3 #2 #1		0.000	1	0	AUD
217							
	0x006	Static Pressure	ins Hg	64.000	16	3	BNR
	0x029	N1 Limit (EEC)	% RPM	256.000	14	3	BNR
	0x038	Static Pressure	ins Hg	64.000	16	3	BNR
	0x075	ILS Audio Gain #3 #2 #1		0.000	6	0	AUD
	0x0AD	Average Static Pressure	mB	2048.000	18	3	BNR
	0x0F9	ILS Audio Gain #3 #2 #1		0.000	6	0	AUD
220							
	0x006	Baro Corrected Altitude #2	Feet	131072.000	17	0	BNR
	0x038	Baro Corrected Altitude #2	Feet	131072.000	17	0	BNR
	0x075	MLS Audio Gain #3 #2 #1		0.000	6	0	AUD

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv.	Sense
	0x0F9	MLS Audio Gain #3 #2 #1		0.000	6	0	AUD	
221								
	0x006	Indicated Angle of Attack (Ave.)	Deg/180	180.000	12	2	BNR	
	0x038	Indicated Angle of Attack (Ave.)	Deg/180	180.000	12	2	BNR	
	0x0AD	Indicated Angle of Attack	Deg/180	180.000	14	2	BNR	
222								
	0x006	Indicated Angle of Attack (#1 L.)	Deg/180	180.000	12	2	BNR	
	0x011	VOR Omnibearing	Deg/180	180.000	12	3	VOR	
223								
	0x006	Indicated Angle of Attack (#1 R.)	Deg/180	180.000	12	2	BNR	
224								
	0x006	Indicated Angle of Attack (#2 L.)	Deg/180	180.000	12	2	BNR	
225								
	0x002	MIN Manuvering Airspeed	Knots	512.000	11	2	BNR	
	0x006	Indicated Angle of Attack (#2 R.)	Deg/180	180.000	12	2	BNR	
	0x02E	Compensated Altitude Rate	Ft/Min	32768.000	11	0	BNR	INCREASG. ALT
226								
	0x075	Speaker, DME #2 #1 Gain		0.000	5	0	AUD	
	0x0F9	Speaker, DME #2 #1 Gain		0.000	5	0	AUD	
230								
	0x006	True Airspeed	Knots	599.000	3	0	BCD	
	0x038	True Airspeed	Knots	599.000	3	0	BCD	
	0x075	Spare,COMM7,SATCOM Gain		0.000	0	0	AUD	
	0x0F9	Spare,COMM7,SATCOM Gain		0.000	0	0	AUD	
231								
	0x006	Total Air Temperature	Deg C	99.000	3	0	BCD	
	0x038	Total Air Temperature	Deg C	99.000	3	0	BCD	
	0x0AD	Total Air Temperature	Deg C	512.000	3	0	BCD	
232								
	0x004	Altitude Rate	Ft/Min	20000.000	5	0	BCD	UP
	0x005	Altitude Rate	Ft/Min	20000.000	5	0	BCD	UP
	0x006	Altitude Rate	Ft/Min	20000.000	5	0	BCD	UP
233								
	0x006	Static Air Temperature	Deg C	99.000	3	0	BCD	
	0x038	Static Air Temperature	Deg C	99.000	3	0	BCD	
234								
	0x006	Baro Correction (mB) #1	mB	1050.000	5	1	BCD	
	0x038	Baro Correction (mB) #1	mB	1050.000	5	1	BCD	
235								
	0x006	Baro Correction (ins of Hg) #1	ins Hg	31.000	5	3	BCD	
	0x038	Baro Correction (ins of Hg) #1	ins Hg	31.000	5	3	BCD	
236								

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv. Sense
	0x006	Baro Correction (mB) #2	mB	1050.000	5	1	BCD
	0x038	Baro Correction (mB) #2	mB	1050.000	5	1	BCD
237							
	0x006	Baro Correction (ins of Hg) #2	ins Hg	31.000	5	3	BCD
	0x038	Baro Correction (ins of Hg) #2	ins Hg	31.000	5	3	BCD
241							
	0x002	MIN Airspeed for Flap Extension	Knots	512.000	11	2	BNR
	0x006	Corrected Angle of Attack	Deg/180	180.000	12	2	BNR
	0x038	Corrected Angle of Attack	Deg/180	180.000	12	2	BNR
242							
	0x006	Total Pressure	mB	2048.000	16	5	BNR
	0x01A	Total Pressure	mB	2048.000	16	5	BNR
	0x038	Total Pressure	mB	2048.000	16	5	BNR
	0x03B	Speed Deviation	Dots	4.000	11	3	BNR
	0x0AD	Total Pressure	mB	2048.000	18	3	BNR
244							
	0x01C	Fuel Flow (Engine Direct)	Lbs/Hr	32768.000	8	0	BNR
	0x033	Fuel Flow (Wf)	pph	32768.000	16	1	BNR
	0x03B	Mach Error	Mach	0.064	11	5	BNR
	0x08D	Fuel Flow Rate	pph	32768.000	16	1	BNR
245							
	0x002	Minimum Airspeed	Knots	256.000	12	4	BNR
	0x003	Minimum Airspeed	Knots	256.000	12	4	BNR
	0x00A	Minimum Airspeed	Knots	512.000	13	4	BNR
	0x029	N3 (Engine)	% RPM	256.000	14	3	BNR
	0x038	Average Static Pressure mB Uncorr.	mB	2048.000	16	5	BNR
	0x03B	EPR Error		4.000	12	3	BNR
246							
	0x002	Control Maximum Speed (VCMAX)	Knots	512.000	11	2	BNR
	0x006	Averaged Static Pressure	mB	2048.000	16	2	BNR
	0x01C	N1 (Engine Direct)	RPM	4096.000	12	0	BNR
	0x029	N1 (Engine Direct)	% RPM	256.000	14	3	BNR
	0x038	Average Static Pressure mB uncorr.	mB	2048.000	16	5	BNR
	0x03B	Angle of Attack Error	Deg/180	180.000	14	2	BNR
247							
	0x002	Control Minimum Speed (VCMIN)	Knots	512.000	11	2	BNR
	0x01F	Total Fuel	Lbs	655360.000	14	0	BNR
	0x02C	Total Fuel	Lbs	655360.000	14	0	BNR
	0x03B	Speed Error	Knots	256.000	12	2	BNR
	0x04D	Total Fuel	Lbs	655360.000	14	0	BNR
	0x0EB	Fuel to Remain	Lbs	1638400.000	14	0	BNR
250							

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv. Sense
	0x002	Continuous N1 Limit	% RPM	256.000	14	3	BNR
	0x02B	Maximum Continuous EPR Limit		4.000	12	3	BNR
	0x02C	Preselected Fuel Quantity	Lbs	655360.000	14	0	BNR
	0x038	Indicated Sideslip Angle	Deg/180	180.000	12	2	BNR
	0x0AD	Indicated Sideslip Angle	Deg/180	180.000	14	2	BNR
251							
	0x001	Distance to Go	N.M.	4096.000	15	3	BNR
	0x002	Distance to Go	N.M.	4096.000	15	3	BNR
	0x006	Baro Corrected Altitude #3	Feet	131072.000	17	0	BNR
	0x01A	Flight Leg Counter		0.000	0	0	FLC
	0x038	Baro Corrected Altitude #3	Feet	131072.000	17	0	BNR
252							
	0x001	Time to Go	Min	512.000	9	0	BNR
	0x002	Time to Go	Min	512.000	9	0	BNR
	0x006	Baro Corrected Altitude #4	Feet	131072.000	17	0	BNR
	0x01A	EPR Idle		4.000	12	3	BNR
	0x02F	EPR Idle Reference		4.000	12	3	BNR
	0x038	Baro Corrected Altitude #4	Feet	131072.000	17	0	BNR
	0x03F	EPR Idle Reference		4.000	12	3	BNR
	0x0EB	Time Until Jettison Complete	Min	64.000	6	0	BNR
253							
	0x002	Go Around N1 Limit	% RPM	256.000	14	3	BNR
	0x01E	Go Around EPR Limit		4.000	12	3	BNR
	0x038	Corrected Sideslip Angle	Deg/180	180.000	12	2	BNR
254							
	0x002	Cruise N1 Limit	% RPM	256.000	14	3	BNR
	0x01E	Cruise EPR Limit		4.000	12	3	BNR
255							
	0x002	Climb N1 Limit	% RPM	256.000	14	3	BNR
	0x01E	Climb EPR Limit		4.000	12	3	BNR
	0x02F	Max Climb EPR RAting		4.000	12	3	BNR
	0x03F	Max Climb EPR RAting		4.000	12	3	BNR
	0x08E	Spoiler Position	Deg/180	180.000	11	1	BNR
256							
	0x002	Time For Climb	Min	512.000	9	0	BNR
	0x00A	V Stick Shaker	Knots	512.000	11	2	BNR
	0x02C	Fuel Quantity (Tanks) #1	Lbs	131072.000	15	0	BNR
	0x037	Fuel Quantity (Tanks) #1	Lbs	131072.000	15	0	BNR
	0x04D	Fuel Tanks (757/767)	Lbs	163840.000	12	0	BNR
257							
	0x002	Time for Descent	Min	512.000	9	0	BNR
	0x02C	Fuel Quantity (Tanks) #2	Lbs	131072.000	15	0	BNR

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv. Sense
	0x037	Fuel Quantity (Tanks) #2	Lbs	131072.000	15	0	BNR
260							
	0x002	Date/Flight Leg		999999.000	6	0	DFL
	0x02C	Fuel Quantity (Tanks) #3	Lbs	131072.000	15	0	BNR
	0x031	Date (No Flight Leg)		999999.000	6	0	DAT
	0x033	T5	Deg C	1024.000	12	2	BNR
	0x0A2	Date/Flight Leg		999999.000	6	0	DFL
261							
	0x002	Flight Number		9999.000	4	0	FNO
	0x02C	Fuel Quantity (Tanks) #4	Lbs	131072.000	15	0	BNR
	0x033	P49	PSIA	128.000	14	3	BNR
	0x0A2	Flight Number		9999.000	4	0	FNO
262							
	0x002	Documentary Data		0.000	0	0	DDW
	0x00A	Predictive Airspeed Variation	Knots	256.000	10	2	BNR
	0x01C	LP Compressor Exit Pressure (PT3)	PSIA	64.000	13	3	BNR
	0x02C	Fuel Quantity (Tanks) # 5	Lbs	131072.000	15	0	BNR
	0x033	LP Compressor Exit Pressure	PSIA	64.000	14	3	BNR
263							
	0x002	MIN Airspeed for Flaps Retraction	Knots	512.000	11	2	BNR
	0x00A	MIN Airspeed for Flaps Retraction	Knots	512.000	11	2	BNR
	0x01C	LP Compressor Exit Temperature	Deg C	256.000	12	2	BNR
	0x02C	Fuel Quantity Tanks #6	Lbs	131072.000	15	0	BNR
	0x033	LP Compressor Exit Temperature	Deg C	256.000	12	3	BNR
264							
	0x002	Time to Touchdown	Min	2048.000	11	0	BNR
	0x00A	MIN Airspeed for Slats Retraction	Knots	512.000	11	2	BNR
	0x01C	HP Compressor Exit Pressure	PSIA	512.000	14	2	BNR
	0x02C	Fuel Quantity (Tanks) #7	Lbs	131072.000	15	0	BNR
	0x02F	Burner Pressure	PSIA	512.000	14	2	BNR
	0x033	HP Compressor Exit Pressure	PSIA	512.000	14	2	BNR
	0x03F	Burner Pressure	PSIA	512.000	14	2	BNR
265							
	0x002	MIN Buffet Airspeed	Knots	512.000	11	2	BNR
	0x00A	Maneuvering Airspeed	Knots	512.000	11	2	BNR
	0x01C	HP Compressor Exit Temp. (TT4.5)	Deg C	1024.000	12	2	BNR
	0x02C	Fuel Quantity (Tanks) #8	Lbs	131072.000	15	0	BNR
	0x033	HP Compressor Exit Temperature	Deg C	1024.000	12	2	BNR
267							
	0x002	Max Maneuvering Airspeed	Knots	512.000	11	2	BNR
	0x00A	Predictive Max. Maneuver. Airspeed	Knots	512.000	11	2	BNR
	0x02B	Throttle Position Command	Deg/180	180.000	12	2	BNR

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv.	Sense
	0x033	Spare T/C	Deg C	256.000	12	3	BNR	
270								
	0x075	Spare,COMM7,SATCOM Gain		0.000	0	0	AUD	
300								
	0x075	VHF COMM Diagnostics		0.000	0	0	BIN	
301								
	0x075	Attenuation Config		0.000	0	0	BIN	
	0x0F9	Attenuation Config		0.000	0	0	BIN	
302								
	0x075	Discrete Data		0.000	0	0	BIN	
	0x0F9	Discrete Data		0.000	0	0	BIN	
310								
	0x002	Present Position - Latitude	Deg/180	180.000	20	6	BNR	
	0x004	Present Position - Latitude	Deg/180	180.000	20	6	BNR	
	0x029	Aileron Position	Deg/180	180.000	11	3	BNR	
	0x038	Present Position - Latitude	Deg/180	180.000	20	6	BNR	
311								
	0x002	Present Position - Longitude		180.000	20	6	BNR	
	0x004	Present Position - Longitude		180.000	20	6	BNR	
	0x029	Aileron Trim	Deg/180	180.000	11	3	BNR	
	0x038	Present Position - Longitude		180.000	20	6	BNR	
	0x03B	Control Wheel Roll Force	Lbs	64.000	10	4	BNR	
312								
	0x002	Ground Speed	Knots	4096.000	15	3	BNR	
	0x004	Ground Speed	Knots	4096.000	15	3	BNR	
	0x005	Ground Speed	Knots	4096.000	15	3	BNR	
	0x029	Rudder Position	Deg/180	180.000	11	3	BNR	
	0x038	Ground Speed	Knots	4096.000	15	3	BNR	
313								
	0x002	Track Angle - True	Deg/180	180.000	12	2	BNR	
	0x004	Track Angle - True	Deg/180	180.000	15	4	BNR	
	0x025	Track Angle - True	Deg/180	180.000	10	1	BNR	
	0x029	Rudder Trim	Deg/180	180.000	11	3	BNR	
	0x038	Track Angle - True	Deg/180	180.000	15	4	BNR	
314								
	0x002	Stabilizer Pos. Ind.(B747-400)	Deg/180	180.000	12	2	BNR	TE DOWN
	0x004	True Heading	Deg/180	180.000	15	4	BNR	
	0x025	True Heading	Deg/180	180.000	10	1	BNR	
	0x029	Elevator Position	Deg/180	180.000	11	3	BNR	
	0x038	True Heading	Deg/180	180.000	15	4	BNR	
	0x03B	Control Wheel Pitch Force	Lbs	64.000	10	4	BNR	
315								

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv.	Sense
	0x001	Stabilizer Position	Deg/180	180.000	12	2	BNR	TE DOWN
	0x002	Wind Speed	Knots	256.000	8	0	BNR	
	0x004	Wind Speed	Knots	256.000	8	0	BNR	
	0x005	Wind Speed	Knots	256.000	8	0	BNR	
	0x029	Stabilizer Position	Deg/180	180.000	11	3	BNR	TE DOWN
	0x038	Wind Speed	Knots	256.000	8	0	BNR	
	0x0A1	Stabilizer Position	Deg/180	180.000	12	2	BNR	TE DOWN
316								
	0x002	Wind Direction (True)	Deg/180	180.000	12	2	BNR	CW FROM NORTH
	0x004	Wind Angle	Deg/180	180.000	8	1	BNR	
	0x029	Oil Temperature (Engine)	Deg C	2048.000	12	1	BNR	
	0x038	Wind Angle	Deg/180	180.000	8	1	BNR	
317								
	0x002	Track Angle - Magnetic	Deg/180	180.000	12	2	BNR	
	0x004	Track Angle - Magnetic	Deg/180	180.000	15	4	BNR	
	0x005	Track Angle - Magnetic	Deg/180	180.000	15	4	BNR	
	0x025	Track Angle - Magnetic	Deg/180	180.000	10	1	BNR	
	0x029	Oil Pressure (Engine)	PSI	4096.000	12	0	BNR	
	0x038	Track Angle - Magnetic	Deg/180	180.000	15	4	BNR	
320								
	0x004	Magnetic Heading	Deg/180	180.000	15	4	BNR	
	0x005	Magnetic Heading	Deg/180	180.000	15	4	BNR	
	0x025	Magnetic Heading	Deg/180	180.000	10	1	BNR	
	0x038	Magnetic Heading	Deg/180	180.000	15	4	BNR	
321								
	0x002	Drift Angle	Deg/180	180.000	12	2	BNR	
	0x004	Drift Angle	Deg/180	180.000	11	2	BNR	
	0x005	Drift Angle	Deg/180	180.000	11	2	BNR	
	0x038	Drift Angle	Deg/180	180.000	12	2	BNR	
322								
	0x002	Flight Path Angle	Deg/180	180.000	12	2	BNR	
	0x004	Flight Path Angle	Deg/180	180.000	12	2	BNR	
	0x005	Flight Path Angle	Deg/180	180.000	12	2	BNR	
	0x038	Flight Path Angle	Deg/180	180.000	12	2	BNR	
323								
	0x004	Flight Path Acceleration	g	4.000	12	3	BNR	
	0x005	Flight Path Acceleration	g	4.000	12	3	BNR	
	0x038	Flight Path Acceleration	g	4.000	12	3	BNR	
324								
	0x004	Pitch Angle	Deg/180	180.000	14	2	BNR	
	0x005	Pitch Angle	Deg/180	180.000	14	2	BNR	
	0x025	Pitch Angle	Deg/180	180.000	10	1	BNR	

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv.	Sense
	0x038	Pitch Angle	Deg/180	180.000	14	2	BNR	
325								
	0x004	Roll Angle	Deg/180	180.000	14	2	BNR	
	0x005	Roll Angle	Deg/180	180.000	14	2	BNR	
	0x025	Roll Angle	Deg/180	180.000	10	1	BNR	
	0x02F	Stator Vane Feedback	inches	4.000	12	3	BNR	
	0x038	Roll Angle	Deg/180	180.000	14	2	BNR	
	0x03F	Stator Vane Feedback	inches	4.000	12	3	BNR	
326								
	0x004	Body Pitch Rate	Deg/Sec	128.000	13	3	BNR	
	0x005	Body Pitch Rate	Deg/Sec	128.000	13	3	BNR	
	0x038	Body Pitch Rate	Deg/Sec	128.000	13	3	BNR	
327								
	0x004	Body Roll Rate	Deg/Sec	128.000	13	3	BNR	
	0x005	Body Roll Rate	Deg/Sec	128.000	13	3	BNR	
	0x038	Body Roll Rate	Deg/Sec	128.000	13	3	BNR	
330								
	0x004	Body Yaw Rate	Deg/Sec	128.000	13	3	BNR	
	0x005	Body Yaw Rate	Deg/Sec	128.000	13	3	BNR	
	0x02F	HC/TC Cooling Valve Pos. Feedback	%	128.000	12	2	BNR	OPEN
	0x038	Body Yaw Rate	Deg/Sec	128.000	13	3	BNR	
	0x03F	HC/TC Cooling Valve Pos. Feedback	%	128.000	12	2	BNR	OPEN
331								
	0x004	Body Longitudinal Acceleration	g	4.000	12	3	BNR	
	0x005	Body Longitudinal Acceleration	g	4.000	12	3	BNR	
	0x02F	LTC Cooling Valve Pos. Feedback	%	128.000	12	2	BNR	OPEN
	0x038	Body Longitudinal Acceleration	g	4.000	12	3	BNR	
	0x03F	LTC Cooling Valve Pos. Feedback	%	128.000	12	2	BNR	OPEN
332								
	0x004	Body Lateral Acceleration	g	4.000	12	3	BNR	
	0x005	Body Lateral Acceleration	g	4.000	12	3	BNR	
	0x02F	A/O Heat Xchr Valve Pos. Feedback	%	128.000	12	2	BNR	OPEN
	0x038	Body Lateral Acceleration	g	4.000	12	3	BNR	
	0x03F	A/O Heat Xchr Valve Pos. Feedback	%	128.000	12	2	BNR	OPEN
333								
	0x004	Body Normal Acceleration	g	4.000	12	3	BNR	
	0x005	Body Normal Acceleration	g	4.000	12	3	BNR	
	0x02F	Acceleration Fuel Flow Limit	Lbs/Hr	32768.000	12	0	BNR	
	0x038	Body Normal Acceleration	g	4.000	12	3	BNR	
	0x03F	Acceleration Fuel Flow Limit	Lbs/Hr	32768.000	12	0	BNR	
334								
	0x004	Platform Heading	Deg/180	180.000	11	2	BNR	

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv. Sense
	0x005	Platform Heading	Deg/180	180.000	11	2	BNR
	0x02F	Fuel Flow Command	Lbs/Hr	32768.000	12	0	BNR
	0x038	Platform Heading	Deg/180	180.000	11	2	BNR
	0x03F	Fuel Flow Command	Lbs/Hr	32768.000	12	0	BNR
335							
	0x004	Track Angle Rate	Deg/Sec	32.000	11	3	BNR
	0x005	Track Angle Rate	Deg/Sec	32.000	11	3	BNR
	0x02F	2.5 BLD Actuator Position	%	128.000	12	3	BNR
	0x038	Track Angle Rate	Deg/Sec	32.000	11	3	BNR
	0x03F	2.5 BLD Actuator Position	%	128.000	12	3	BNR
336							
	0x004	Inertial Pitch Rate	Deg/Sec	128.000	13	3	BNR
	0x005	Inertial Pitch Rate	Deg/Sec	128.000	13	3	BNR
	0x01A	Engine Torque	%	256.000	12	3	BNR
	0x02F	N2 Corrected to Sta 2.5	%	128.000	12	3	BNR
	0x038	Inertial Pitch Rate	Deg/Sec	128.000	13	3	BNR
	0x03F	N2 Corrected to Sta 2.5	%	128.000	12	3	BNR
337							
	0x004	Inertial Roll Rate	Deg/Sec	128.000	13	3	BNR
	0x005	Inertial Roll Rate	Deg/Sec	128.000	13	3	BNR
	0x01A	Engine Rating	%	256.000	12	3	BNR
	0x038	Inertial Roll Rate	Deg/Sec	128.000	13	3	BNR
340							
	0x003	EPR Actual		4.000	12	3	BNR
	0x01A	EPR Actual		4.000	12	3	BNR
	0x029	EPR Actual (Engine Direct)		4.000	12	3	BNR
	0x02D	EPR Actual		4.000	12	3	BNR
	0x02F	EPR Actual		4.000	12	3	BNR
	0x033	EPR Actual		4.000	12	3	BNR
	0x03F	EPR Actual		4.000	12	3	BNR
341							
	0x002	Target N1	% RPM	256.000	14	3	BNR
	0x003	N1 Command	% RPM	256.000	14	3	BNR
	0x01A	N1 Command	% RPM	256.000	14	3	BNR
	0x029	N1 Command (Engine)	% RPM	256.000	14	3	BNR
	0x02F	N1 Command	% RPM	256.000	14	3	BNR
	0x03F	EPR Command		4.000	12	3	BNR
342							
	0x002	N1 Bug Drive	% RPM	256.000	14	3	BNR
	0x003	N1 Limit	% RPM	256.000	14	3	BNR
	0x01A	N1 Maximum	% RPM	256.000	14	3	BNR

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv. Sense
	0x029	N1 Limit (TCC)	% RPM	256.000	14	3	BNR
	0x02F	Maximum Available EPR		4.000	12	3	BNR
	0x03B	N1 or EPR Limit		4.000	12	3	BNR
	0x03F	Maximum Available EPR		4.000	12	3	BNR
343							
	0x003	N1 Derate	% RPM	256.000	14	3	BNR
	0x01A	N1 Demand	% RPM	256.000	12	3	BNR
344							
	0x01A	N2	% RPM	256.000	14	3	BNR
	0x01C	N2	% RPM	256.000	14	3	BNR
	0x029	N2	% RPM	256.000	14	3	BNR
	0x02F	N2	% RPM	256.000	14	3	BNR
	0x033	N2	% RPM	256.000	14	3	BNR
	0x03F	N2	% RPM	256.000	14	3	BNR
345							
	0x002	NDB Effectivity		999999.000	6	0	NDB
	0x01A	Exhaust Gas Temperature	Deg C	2048.000	12	1	BNR
	0x01C	Exhaust Gas Temperature	Deg C	2048.000	12	1	BNR
	0x029	Exhaust Gas Temperature	Deg C	2048.000	12	1	BNR
	0x02F	Exhaust Gas Temperature	Deg C	2048.000	12	1	BNR
	0x033	Exhaust Gas Temperature	Deg C	2048.000	12	1	BNR
	0x03F	Exhaust Gas Temperature	Deg C	2048.000	12	1	BNR
346							
	0x003	N1 Actual	% RPM	256.000	14	3	BNR
	0x01A	N1 Actual	% RPM	256.000	14	3	BNR
	0x02F	N1 Actual	% RPM	256.000	14	3	BNR
	0x033	N1 Actual	% RPM	256.000	14	3	BNR
	0x03F	N1 Actual	% RPM	256.000	14	3	BNR
347							
	0x029	Fuel Flow (Engine)	Lbs/Hr	32768.000	12	0	BNR
	0x037	Fuel Flow	Lbs/Hr	32768.000	12	0	BNR
357							
	0x002	ISO Alphabet #5 Message		0.000	0	0	ISO
	0x017	ISO Alphabet #5 Message		0.000	0	0	ISO
	0x024	ISO Alphabet #5 Message		0.000	0	0	ISO
	0x037	ISO Alphabet #5 Message		0.000	0	0	ISO
360							
	0x004	Potential Vertical Speed	Ft/Min	32768.000	15	0	BNR
	0x005	Potential Vertical Speed	Ft/Min	32768.000	15	0	BNR
	0x038	Potential Vertical Speed	Ft/Min	32768.000	15	0	BNR
361							
	0x004	Altitude (Inertial)	Feet	131072.000	20	3	BNR

Label	Eq ID	Parameter Name	Units	MSB Res.	N Digit	Frac.	Conv.	Sense
	0x005	Altitude (Inertial)	Feet	131072.000	18	1	BNR	
	0x038	Altitude (Inertial)	Feet	131072.000	20	3	BNR	
362								
	0x004	Along Track Horiz. Accel.	g	4.000	12	3	BNR	
	0x038	Along Track Horiz. Accel.	g	4.000	12	3	BNR	
363								
	0x004	Cross Track Acceleration	g	4.000	12	3	BNR	
	0x038	Cross Track Acceleration	g	4.000	12	3	BNR	
364								
	0x004	Vertical Acceleration	g	4.000	12	3	BNR	
	0x005	Vertical Acceleration	g	4.000	12	3	BNR	
	0x038	Vertical Acceleration	g	4.000	12	3	BNR	
365								
	0x004	Inertial Vertical Velocity (EFI)	Ft/Min	32768.000	15	0	BNR	
	0x005	Inertial Vertical Velocity (EFI)	Ft/Min	32768.000	15	0	BNR	
	0x038	Inertial Vertical Velocity (EFI)	Ft/Min	32768.000	15	0	BNR	
366								
	0x004	N-S Velocity	Knots	4096.000	15	3	BNR	
	0x038	N-S Velocity	Knots	4096.000	15	3	BNR	
367								
	0x004	E-W Velocity	Knots	4096.000	15	3	BNR	
	0x038	E-W Velocity	Knots	4096.000	15	3	BNR	
370								
	0x004	Body Normal Acceleration (Rcrdr)	g	8.000	13	3	BNR	UP
	0x005	Body Normal Acceleration (Rcrdr)	g	8.000	13	3	BNR	UP
	0x025	Decision Height Selected (EFI)	Feet	8192.000	16	3	BNR	
	0x0C5	Decision Height Selected (EFI)	Feet	16384.000	17	3	BNR	
372								
	0x005	Wind Direction - Magnetic	Deg/180	180.000	9	2	BNR	
373								
	0x005	N-S Velocity (Magnetic)	Knots	4096.000	15	3	BNR	
374								
	0x005	E-W Velocity (Magnetic)	Knots	4096.000	15	3	BNR	
375								
	0x005	Along Heading Acceleration	g	4.000	12	3	BNR	
	0x033	Spare DC1	VDC	16.000	12	3	BNR	
376								
	0x005	Cross Heading Acceleration	g	4.000	12	3	BNR	
	0x033	Spare DC2	VDC	16.000	12	3	BNR	