NATIONAL TRANSPORTATION SAFETY BOARD
Bureau of Technology
Washington, D. C.

November 8, 1979

SPECIALIST'S FACTUAL REPORT OF INVESTIGATION
COCKPIT VOICE RECORDER

A. ACCIDENT

Location : Mexico City, Mexico
Date : October 31, 1979
Aircraft : Douglas DC-10
Operator : Western Airlines
Flight No. : 2605
NTSB No. : DCA 80-RA-002

B. GROUP

Paul C. Turner, National Transportation Safety Board, Chairman
George Zurian, Western Airlines, Los Angeles, Member
Robert Lindquist, Air Line Pilots Association, Los Angeles, Member
J. Jon Huenta, Air Line Pilots Association, Los Angeles, Member
Lloyd F. Wittenburg, Western Flight Operations, Los Angeles, Member
Wilford A. Bryde, Douglas Aircraft Company, Los Angeles, Member
M. E. Russell, Federal Aviation Administration, Member

C. SUMMARY

A Fairchild A-100 cockpit voice recorder, S/N 728, was brought to the CVR labroatory by Mexican authorities where the tape was removed and played back. It was found that the tape was partially erased. The transcript was prepared with some difficulty.

D. DETAILS OF EXAMINATION

A Fairchild A-100 cockpit voice recorder, S/N 728, from Western Airlines flight No. 2605, which crashed on landing at Mexico City, Mexico, was brought to the Audio Laboratory of the National Transportation Safety Board for transcription. The tape was removed from a relatively undamaged recorder. The dust cover and recorder frame were bent in and the input plug was jammed into the case. When the tape was played, it was found to have been partially bulk erased and contained a number of rather sharply defined interferring tones. This bulk erasure is being studied for future action. The original was taken to the FBI labs where it was put through a ADAPT filter and highly compressed. The final transcript was made from this tape. The transcript, while not entirely complete, represents the best that could be reasonably expected from the tape.

QUALITY CONTROL CHECK

The tape channel which was assigned to the flight engineer was found to be inoperative. Additionally, the monitor headset plug on the CVR, which could be used for selectively monitoring the individual tape channels, was found to have been previously tampered with in a manner to preclude a check of the operation of all channels of the recorder at the unit.

[redacted]

Paul C. Turner
Air Safety Investigator

Attachment

QUALITY CONTROL CHECK

003

TRANSCRIPT OF A FAIRCHILD COCKPIT VOICE RECORDER, S/N 728, REMOVED FROM THE WESTERN AIRLINES DC-10 WHICH WAS INVOLVED IN AN ACCIDENT AT MEXICO CITY, MEXICO ON OCTOBER 31, 1979

LEGEND

CAM	Cockpit area microphone voice or sound source
RDO	Radio transmission from accident aircraft
-1	Voice identified as Captain
-2	Voice identified as First Officer
-3	Voice identified as Flight Engineer
-?	Voice unidentified
CTR	Mexico Center
TWR	Mexico Tower
*	Unintelligible word
#	Nonpertinent word
%	Break in continuity
( )	Questionable text
(( ))	Editorial insertion
---	Pause

Note: All times are expressed in Greenwich mean time.

QUALITY CONTROL CHECK

INTRA-COCKPIT

TIME & SOURCE	CONTENT
CAM-1	Report what?
CAM-1	Gotta get up
CAM-?	Fell on the floor
CAM-2	We're about, ah thirty miles
CAM-1	Oh #
17:56 CAM-1	Thought I lost my revision
CAM-?	* (still to far out) *
CAM-?	Why one
21:37 CAM-1	Better put Mexico on two nuh
CAM-2	Yeah
CAM-1	Did you hear what the man said
CAM-1	Well let's (start for lower)

QUALITY CONTROL CHECK

005

AIR-GROUND COMMUNICATIONS

TIME & SOURCE	CONTENT
CTR	Six zero five, maintain three seven zero
RDO-2	Estimate * * *
RDO-2	Past Gabby at * * three seven zero we're estimating *
CTR	Two six zero five, report * three forty five

INTRA-COCKPIT

TIME & SOURCE	CONTENT
23:48 CAM-1	Twenty point one is that it?
24:01 CAM-2	Yeah *
CAM-2	They want us to get hold of Center
CAM-1	Go ahead he said

AIR-GROUND COMMUNICATIONS

TIME & SOURCE	CONTENT
23:10 RDO-2	Centro Mexico * two six oh five
25:12 RDO-2	Centro Mexico Western two six zero five
24:08 RDO-2	Central Mexico * * six zero five
24:14 RDO-?	(Thanks) Western
24:18 RDO-2	Okay Western two six oh five requesting lower *
24:23 CTR	Two six oh five is ah, * * radar contact descend to one three thousand * * Tepexpan three zero two zero the altimeter * * expect * * two three right

QUALITY CONTROL CHECK

006

5

INTRA-COCKPIT

TIME & SOURCE	CONTENT
CAM-2	(I think it's) Tepexpan approach
CAM-1	Yeah right
CAM-?	*
CAM-?	Well * *
CAM-?	(Get) that * *
26:44 CAM-1	See if you can get * (Tepexpan) early
26:57 CAM-1	Okay ah ADF

AIR-GROUND COMMUNICATIONS

TIME & SOURCE	CONTENT
24:33 RDO-2	Okay we'll descend to one three thousand
24:59 CAM-1	Western two six oh five leaving three seven zero for one three thousand
26:10 CAM	Two six zero five roger
26:12 RDO-2	Thank you

QUALITY CONTROL CHECK

INTRA-COCKPIT

TIME & SOURCE	CONTENT
CAM	((Sound TP in code))
27:20 CAM-1	Morning (Dan)
CAM-3	Morning
28:18 CAM-3	Runways two three charlie
28:19 CAM-1	Okay *
28:47 CAM-1	Got the, got the weather there ah
CAM-?	Yeah *
28:57 CAM-2	* thirty twenty
CAM-?	Zero siz zero * *

AIR-GROUND COMMUNICATIONS

TIME & SOURCE	CONTENT
29:16 CTR	Western two six zero five, change to one nineteen seven
29:22 RDO-2	Say again for two six oh five
CTR	One nineteen seven
RDO-2	One nineteen seven

QUALITY CONTROL CHECK

INTRA-COCKPIT

TIME & SOURCE	CONTENT
CAM-?	* * sleep
29:49 CAM-1	* * he must of had a nap because
30:33 CAM-3	Yeah, there's the sun coming up *
CAM-1	Yeah
CAM-2	Yeah
30:40 CAM-3	Gonna be light by the time we get to the blocks
30:46 CAM-2	What do you figure our (wait) will be?
30:53 CAM-3	No more than an hour or two
32:16 CAM-1	Nice and clear so far down there
CAM-?	(And ah)
CAM-1	Smoke over the city and * *

AIR-GROUND COMMUNICATIONS

TIME & SOURCE	CONTENT
29:37 RDO-2	* Mexico Western two six zero five * * out of two five point five
29:42 RDO-?	* *
RDO	* *

QUALITY CONTROL CHECK

INTRA-COCKPIT

TIME & SOURCE	CONTENT
CAM-?	Yeah * *
CAM-1	Giving three and smoke
32:31 CAM-2	Yeah three and smoke
CAM-1	It should be *
CAM-3	You can have it now
CAM-1	Look at that smog
32:52 CAM-3	Seat sign
CAM-1	Auto on
CAM-3	Altimeters
32:54 CAM-1	Set thirty twenty
CAM-2	Thirty twenty
CAM-3	Fine back here, radio, altimeters
CAM-2	Two hundred
CAM-1	Set minimum and test
CAM-3	HSI
33:00 CAM-1	Radio
CAM-2	Rad

AIR-GROUND COMMUNICATIONS

TIME & SOURCE	CONTENT

QUALITY CONTROL CHECK

010

INTRA-COCKPIT

TIME & SOURCE	CONTENT
CAM-3	Landing data
33:09 CAM-1	I want to stay, ah I want to stay on INS for a minute here
CAM-?	* *
CAM-1	Yeah, its set
CAM-2	Set right
33:20 CAM-3	Okay CDU
33:22 CAM-1	Track and groundspeed
CAM-2	Groundspeed
CAM-3	Shoulder harness
CAM-1	On
CAM-2	Right
33:29 CAM-3	I think I'm gonna sleep late
CAM-3	* * all night * *
33:37 CAM-3	I think I got about three hours sleep this afternoon *

AIR-GROUND COMMUNICATIONS

TIME & SOURCE	CONTENT

QUALITY CONTROL CHECK

10 2011

INTRA-COCKPIT

TIME & SOURCE	CONTENT
34:13 CAM-1	Descend to eleven and cleared for the approach is that correct?
34:23 CAM-3	* * the data Charlie, do you realize do you realize that you're in INS
35:29 CAM-1	Huh?
CAM	((Sound of altitude alert))
CAM-3	You're in Rad now right
CAM-1	Right
CAM-2	Right
35:35 CAM-3	Just checking up old buddy to make sure that ah the in-range is complete Charlie

AIR-GROUND COMMUNICATIONS

TIME & SOURCE	CONTENT
34:03 CTR	Western two six zero five, descend to one one thousand cleared for Tepexpan two three right
34:10 CAM-2	* * descend to one one thousand Western twenty six *
34:19 RDO-2	Tepexpan arrival for twenty six oh five sir?
CTR	That is correct

QUALITY CONTROL CHECK

0012

INTRA-COCKPIT

TIME & SOURCE	CONTENT
36:25 CAM-?	* six hundred
CAM-?	Roger
CAM-2	(Stabbed again)
36:49 CAM-1	Looks like it might
CAM-1	Yeah
36:54 CAM-1	Let's have ah slats *
CAM-3	(Someone) open it up *
CAM-?	Huh
37:02 CAM-2	Quadalagara
CAM-3	(If we have to)
CAM-1	(Yup)
37:38 CAM	((Sound of landing gear warning horn))
37:43 CAM-1	Twenty two flaps

AIR-GROUND COMMUNICATIONS

TIME & SOURCE	CONTENT
36:31 TWR	Six zero five tower advises, ah, ground fog * * on the runway and two miles visibility
36:39 RDO-2	Roger twenty six oh five (1134:24 GMT actual DFDR)

QUALITY CONTROL CHECK

003

INTRA-COCKPIT

TIME & SOURCE	CONTENT
CAM	((Sound similar to flap handle movement))
CAM-2	Twenty two
CAM-1	(Okay)
CAM-2	Yeah, you're off (a little bit)
38:18 CAM-1	Change the ADF please to * the outer
38:23 CAM-1	Approach checklist
CAM	((Sound of code))
38:33 CAM-2	Set
CAM-3	Course selectors
38:39 CAM-2	Set
CAM	((Sound of code ME))
CAM-1	Set
CAM-(2)	Flight guidance
CAM-3	Flight guidance system

AIR-GROUND COMMUNICATIONS

TIME & SOURCE	CONTENT

QUALITY CONTROL CHECK

004
13

ATC TIME
DFDR

INTRA-COCKPIT

TIME & SOURCE	CONTENT
38:47 CAM-1	As desired for now
CAM-3	Flight mode annunciators
CAM-1	Ah speed, vertical speed, heading select
38:55 CAM-2	Vertical speed --- heading
39:06 CAM-3	ADF marker beacon switch
CAM-1	ADF and on
CAM-2	Set right
39:11 CAM	((Sound of altitude warning horn))
39:16 CAM-3	Instrument comparison
39:21 CAM-1	* Going, going through one eighty one, eighty ah one sixty ah ten thousand

AIR-GROUND COMMUNICATIONS

TIME & SOURCE	CONTENT
39:01 CTR	Twenty six zero five change to tower one eighteen one radar service terminated
39:04 RDO-2	Eighteen one (1137:47 GMT, actual DFDR)

[redacted]

QUALITY CONTROL CHECK

015

INTRA-COCKPIT

TIME & SOURCE	CONTENT
CAM-?	Okay
39:27 CAM-1	All right to five them the no smoking sign
CAM-1	Ah, yeah go head
CAM	((Sound of avionics cooling fam))
40:00 CAM-1	Gear down
40:18 CAM-3	Landing gear
40:21 CAM-2	What happened to that
40:24 CAM-3	Huh
CAM-1	The whole # # thing ah quit
CAM-1	I don't have any *

AIR-GROUND COMMUNICATIONS

TIME & SOURCE	CONTENT
39:39 RDO-2	[1] Mexico tower Western two six zero five
39:45 TWR	[2] Western two six zero five two three right approach * wind clam
39:51 RDO-2	Roger [3]

QUALITY CONTROL CHECK

INTRA-COCKPIT

TIME & SOURCE	CONTENT
40:29 CAM-1	I don't have any ah
40:34 CAM-1	Thirty five flaps set the bug
CAM-1	Check * * * Dan
CAM	((Sound of marker beacon ME))
CAM-?	Set
CAM-2	It just died
CAM-?	Three green
CAM--3	Spoiler handle
40:44 CAM-2	Okay one thirty six
CAM	((Sound of racket))
CAM-3	Armed Charlie?
40:49 CAM-1	Armed, yeah
CAM-?	*

AIR-GROUND COMMUNICATIONS

TIME & SOURCE	CONTENT
40:55 RDO-2	Ah twenty six oh five is, is inside mike echo (113937 Actual DFDR)
40:58 TWR	Roger twenty six oh five ah

40:51 (tower) (-4)

40:57 (tower)

QUALITY CONTROL CHECK

INTRA-COCKPIT

TIME & SOURCE	CONTENT
41:10 CAM-1	Set the missed approach altitude heading and
41:14 CAM-1	Yeah we know
CAM-1	# # track (isn't) working too good
41:19 CAM-1	I'll tell ya
41:24 CAM	((GPWS - glideslope - glide))
41:26 CAM	((Sound of increasing power))
41:29 CAM-1	Flaps, slats
CAM-1	The throttles are to # slow
41:35 CAM-1	Set the missed approach heading and fifteen bank
CAM	((Sound of ratchet))

AIR-GROUND COMMUNICATIONS

TIME & SOURCE	CONTENT
41:04 CAM-3	Flight attendants, please be seated and we'd like to thank you all for flying Western
41:13 TWR (6)	You are * * *
RDO-2 (7)	Just a little bit (11395:59 actual DFDR)
41:20 TWR (8)	Advise runway in sight there's a layer of * over the field

QUALITY CONTROL CHECK

INTRA-COCKPIT

TIME & SOURCE	CONTENT
41:43 CAM-3	Flaps thirty five thirty five (green)
41:46 CAM-1	Dan check em
CAM-3	Same
CAM-1	Check em
41:51 CAM-3	Flight guidance *
41:52 CAM-1	Negative
42:04 CAM-1	We're cleared on the right
CAM-?	Approach is on the left
42:05 CAM-1	We're cleared on the right is that correct?
42:08 CAM-2	The other runway
CAM-3	Is this the approach to the right?

AIR-GROUND COMMUNICATIONS

TIME & SOURCE	CONTENT
41:48 TWR	Six oh five do you have approach lights (on left) in sight
41:54 → 41:54 TWR	* * the approach lights are on runway twenty-three, advise runway is closed to traffic

QUALITY CONTROL CHECK

INTRA-COCKPIT

TIME & SOURCE	CONTENT
42:09 CAM-1	No this is approach to the # # left missed approach
42:14 CAM-2	Yeah, climb to eighty five hundred
42:18 CAM-2	Charlie I have
42:20 CAM	((Sound of initial impact))
CAM	((Sound of rapid and mixed conversation))
CAM-2	* fly heading
42:25 CAM-3	Charlie cut the
CAM	((Sound of warning horn))
CAM-?	*
CAM	((Sound of engine buzz saw))
42:30 CAM-1	Gear up
42:32 CAM-2	You're banking to the *
CAM-?	*
CAM-?	#

AIR-GROUND COMMUNICATIONS

TIME & SOURCE	CONTENT

QUALITY CONTROL CHECK

INTRA-COCKPIT

TIME & SOURCE	CONTENT
42:37 CAM-?	Charlie get it up!
CAM-?	*
CAM-?	Get it up!
CAM-?	* *
42:46 CAM	((Sound of final impact and end of recording

AIR-GROUND COMMUNICATIONS

TIME & SOURCE	CONTENT

QUALITY CONTROL CHECK

MEXDGXM
.MZTDGXM 010235
ATTN ING R KOBEP/F.MOLINAR
CONTACTOS ESTABLECIDOS POR EL VUELO WA 2605 EN LAS FREQ DEL ACC MZT.
0917. WA 2605 CHECO SOBRE VOR MSB AL NNW DE TLJ
PRIMERO CONTACTO.- 09
0920 WA 2605 BUENAS NOCHES.
CENTRO MZT BUENAS NOCHES WA2605
ACC MZT WA2605 MZT CENTER GO AHEAD
WA 2605 OK WA2605 CHECKED OVER TLJ AT ... CLIMBING TO FL 370 WE ESTIMATE GOLFO AT 39
ACC MZT WA2605 ROGER REPORT REACHING 370
WA 2605 ROGER
0927Z. WA 2605 CENTRO MZT WA 2605 LEVELED AT 370
ACC MZT WA2605 ROGER
0940Z
WA 2605 CENTRO MZT WA2605
ACC MZT WA 2605 GO AHEAD
Z 09:40Z
WA 2605 BY GOLFO AT 38 FL 370 ESTIMATING HMO ON THE HOUR CHOIX
ACC MZT WA 2605 ROGER
1002Z
WA 2605 MZT WA 2605
ACC MZT WA2605 GO AHEAD
WA 2605 WA 2605 WAS BY HMO AT... ON THE HOUR FL 370 ESTIMATING CHOIX 22 ARGON
ACC MZT WA 2605 ROGER WHEN OVER CHOIX CONTACT CENTER 128.0
WA 2605 ROGER 2605
1024Z
WA 2605 BUENAS NOCHES CENTRO MZT WA 2605
ACC MZT WA 2605 GO AHEAD
WA 2605 WE WERE BY CHOIX AT 22 FL 370 ARGON AT 39 DGO
ACC MZT ROGER 2605 SWITCH OVER 128.0 REPORT PASSING ARGON
WA 2605 SAY AGAIN THE FREQ 128.37
ACC MZT 128.0
WA 2605 SORRY (ILEGIBLE)
[illegible] OK 128.0
ACC MZT WA 2605 FREQ 128.0
WA 2605 CONFIRMAT CONTESTACIONO
1040Z
WA 2605 CENTRO MZT WA 2605
ACC MZT WA 2605 GO AHEAD
WA 2605 WE ARE OVER ARGON AT 39 FL 370 ESTIMATING DGO 49 GABY
ACC MZT WA 2605 ROGER
1055Z
ACC MZT WA 2605 MZT
WA 2605 CENTRO MZT WA 2605
ACC MZT WA 2605 GO AHEAD
WA 2605 WE ARE BY DGO AT 50 FL 370 ESTIMATING GABY AT 08 QEI
ACC MZT ROGER WA2605 WHEN OVER GABY CONTACT MEXICO CENTER 120.1
WA 2605 ROGER WA 2605

P ESCAR CEGA

QUALITY CONTROL CHECK

0082

NNNN

NOMBRE DE LA FACILIDAD	FECHA Y HORA GMT DE LA TRANSCRIPCION
CENTRO DE CONTROL MEXICO	31 de Octubre de 1979
INCIDENTE: MEXICANA 111	FRECUENCIA(S): 120.1 118.1 Mhz / No. DE CINTA: 55/56 CTA
CERTIFICADA POR: Dagoberto Perea Estrada	CERTIFICADA POR: Solicitada Sr Raymundo Sánchez C

pag 1

TRANSCRIPCION MAGNETOFONICA

1042' CENTRO MEXICO MEXICANA 111
CCA MEXICANA 111 MEXICO
MX111 MEXICANA 111 POSICION GABY 41 3 3 0 QET 57 MEX
CCA ENTERADO 111 REPORTE QUERETARO Y ACTIVE CODIGO 73-43 3 3 0 AL VOR MEXICO..
MX111 REPORTAREMOS QUERETARO 7 3 4 3 3 3 0 VOR MEXICO
CCA CORRECTO 111

CCA MEXICANA 111 IDENTIFIQUE MEXICANA 111 IDENTIFIQUE
MX111 ADELANTE
XCCA IDENTIFIQUE FAVOR
MX111 FAVOR DE REPETIR
CCA IDENTIFIQUE IDENTIFICAR TRANSPONDER
MX111 MEXICANA 111
CCA CONTACTO RADAR 71 AL NOROESTE QUERETARO
MX111 6 7 TENEMOS EN NUESTRO D M E
CCA ES CORRECTO 6 7
48' MX111 MEXICANA UNO UNO UNO

CCA MEXICANA 111 RUMBO 120 DIRECTO A TEPEXPAN DESPUES DE TEPEXPAN METRO ECO 23 DERECHA
MX111 ENTERADO MEXICANA 1 1 1 AUTORIZADOS A TEPEXPAN DES= PUES DE TEPEXPAN METRO ECO PARA 2 3 IZQUIERDA.
CCA DOS TRES DERECHA CORRECTO MEXICANA 111 DOS TRES DERE= CHA Y A LA HORA PREVISTA DESCIENDA PARA DOS CERO CERO
MX111 DOS TRES DERECHA Y AUTORIZADOS A DOS CERO CERO A LA HOR. PREVISTA MEXICANA UNO UNO UNO
50' CCA CORRECTO

CCA MEXICANA 111 CENTRO
MX111 ADELANTE
CCA PARA EL 111 SIN RESTRICCION DE VELOCIDAD EHH ME AVISA LA TORRE DE CONTROL QUE ESTA ENTRANDO LA NIEBLA QUE HAY DOS MILLAS DE VISIBILIDAD A LA PRESENTE EN EL AERO= PUERTO DE MEXICO LE INFORMARE DE CUALQUIER CAMBIO
MX 111 DOS MILLAS ?
CCA CORRECTO
53' MX111 ENTERADO QUALITY CONTROL CHECK
MX111 CENTRO MEXICO MEXICANA 111 PODRIA DARME..PREGUNTARLE A LA TORRE CONDICIONES DEL AEROPUERTO
57' CCA UN SEGUNDO MEXICANA

0083

NOMBRE DE LA FACILIDAD	FECHA Y HORA GMT DE LA TRANSCRIPCION	
INCIDENTE MEXICANA 111	FRECUENCIAS	No. DE CINTA pag 2
CERTIFICADA POR:	CERTIFICADA POR:	

TRANSCRIPCION MAGNETOFONICA

Connt J Silver

1057' CCA MEXICANA 111 SIGUE IGUAL DOS MILLAS EL BANCO TIENDE A EN- TRAR HACIA EL LADO DE LAS PISTAS CINCOS LA TORRE INFORMA QUE EN CASO DE ENTRAR PARA 2 3 IZQUIERDA... DOS TRE DERECHA PODRIA ENCENDER LAS LUCES PARA REFERENCIA... LA LLEGADA LA APROXIMACION PARA REFERENCIA A LA DOS - TRES DERECHA

MX111 CORRECTO SE ESTA METIENDO ENTONCES POR EL ESTE DEL --- (desvanecido)

CCA ESTA POR EL LADO ESTA ENTRADO POR EL ESTE Y AHORA ESTA POR EL LADO DEL PEÑON HACIA EL SUROESTE HACIA LA PISTA CINCO .. ADELANTE

MX111 CORRECTO ESTAMOS DEJANDO 3 3 POR 2 0 0

CCA RECIBIDO AUTORIZADO DIRECTO A TEPEXPAN PARA TEPEXPAN METRO ECO DOS TRES DERECHA

59' MX111 ENTERADO.

CCA MEXICANA 111 MANTENGA EN ESTA FRECUENCIA 19. 7 ESTA INTERMITENTE

MX111 L LAMO AL MEXICANA 1 1 1

CCA CORRECTO MANTENGA EN ESTA F FRECUENCIA

MX111 NO SE LE ESCUCHA FAVOR DE REPETIR

CCA MANTENER EN ESTA FRECUENCIA MEXICANA

MX111 ESTAMOS ABANDONANDO 2 3 punto 5 POR 2 0 0

CCA RECIBIDO CONTINUE DESCENSO A UNO SEIS MIL PIES

MX111 AUTORIZADOS A UNO SEIS MIL MEXICANA 111

CCA CHECAR ALTIMETRO MEXICO 30 20

MX111 30 20 Y EN OCASIONES SU TRANSMISION SE PIERDE (desvanecido)

1102' CCA RECIBIDO

CCA MEXICANA 111 CONTINUE DESCENSO A UNO DOS MIL PIES

04' MX111 1 7, 200 POR UNO DOS MIL

cca MEXICANA 111 AHORA DIEZ MILLAS N OROESTE DE TEPEXPAN SERVICIO DE RADAR TERMINADO LLAME CON LA TORRE 18.1

MX111 . RADAR TERMINADO 18. 1

CCA ESTA AUTORIZADA LA APROXIMACION BUENAS NOCHES

1106' MX111 buen dia.

- - - - - -

QUALITY CONTROL CHECK

0024

dp

RAMSA Forma ATS 7002

NOMBRE DE LA FACILIDAD	FECHA Y HORA GMT DE LA TRANSCRIPCION
TORRE DE CONTROL MEXICO SENEAM	31 de octubre de 1979

INCIDENTE	FRECUENCIA S.	No. DE CINTA
MEXICANA 111	118.1	twr 20

CERTIFICADA POR:	CERTIFICADA POR:
Dagoberto Perea Estrada (transcripciones)	Solicitada Sr. Manuel Hernandez Torres

TRANSCRIPCION MAGNETOFONICA

Cont Luis Munguia

1106 MX111 TORRE MEXICO MEXICANA 111 ESTAMOS PROXIMOS A TEPEXPAN

TWR MEXICANA 111 DOS TRES DERECHA REPORTE METRO ECO EL VIENTO ES CALMA

MX111 DOS TRES DERECHA INFORMARE METRO ECO CON VIENTO CALMA

TWR SUB ESTACION DE TORRE SI ME ESCUCHA ENCIENDA A SU MAXIMA INTENSIDAD LA PISTA CINCO IZQUIERDA

TWR SUB ESTACION DE TORRE PONGA AL MAXIMO DE INTENSIDAD A
1109 LAS LUCES DE LA PISTA CINCO IZQUIERDA

SUB ESTACION DE TORRE PONGA AL MAXIMO DE INTENSIDAD A LAS LUCES DE PISTA CINCO IZQUIERDA

MX111 MEXICANA 111 TENEMOS PISTA A LA VISTA

TWR RECIBIDO MEXICANA 1 1 1 AUTORIZADO PARA ATERRIZAR

MX 111 TIENE LAS VASIS PRENDIDAS ?

1111 TWR ES CORRECTO

TWR MEXICANA 111 KILO A LA DERECHA POR ALFA A PLATAFORMA

PRECAUCION HAY UN BANCO DE NIEBLA EN EL LADO DE LAS PLATAFORMAS

1112'48" MX111 MUCHAS GRACIAS

==end==

QUALITY CONTROL CHECK

0025

OTSA ATS 709

NOMBRE DE LA FACILIDAD	FECHA Y HORA (GMT) DE LA TRANSCRIPCION
CENTRO DE CONTROL MEXICO (SENEAM)	31 de Octubre de 1979.

INCIDENTE	FRECUENCIA(S)	No. DE CINTA
WESTERN 2605	120.1 126.9 119.7 Mhz.	CTA 56

CERTIFICADA POR:	CERTIFICADA POR:
	CIDAA - GRUPO ATC

TRANSCRIPCION MAGNETOFONICA

Controladores
Jaime Silver
Ricardo Sánchez

1110'	WA 2605	BUENAS NOCHES CENTRO MEXICO WESTERN TWO SIX ZERO FIVE.
	CCA.	WESTERN TWO SIX ZERO...TWO SIX ZERO FIVE MAINTAIN THREE SEVEN ZERO REPORT GABY AND SQUAWK SEVEN THREE FOUR FIVE.
	WA 2605	UH...TWO SIX ZERO FIVE PASSED GABY AT ZERO EIGHT FLIGHT LEVEL THREE SEVEN ZERO WE ESTIMATE QUERETARO AT TWO FOUR.
	CCA.	ROGER WESTERN TWO SIX ZERO FIVE REPORT QUERETARO AND SQUAWK SEVEN THREE FOUR FIVE.
1122'	WA 2605	CENTRO MEXICO WESTERN TWO SIX ZERO FIVE.
	WA 2605	CENTRO MEXICO WESTERN TWO SIX ZERO FIVE.
	WA 2605	CENTRO MEXICO DO YOU READ WESTERN TWO SIX ZERO FIVE?
	CCA.	GO AHEAD WESTERN.
	WA 2605	OKAY WESTERN TWO SIX ZERO FIVE REQUESTING LOWER ALTITUDE.
	CCA.	TWO SIX ZERO FIVE ABEAM QUERETARO RADAR CONTACT DESCEND TO ONE THREE THOUSAND PROCEED DIRECT TO TEPEXPAN THREE ZERO TWO ZERO THE ALTIMETER EXPECT TWO THREE RIGHT APPROACH.
	WA 2605	OKAY WILL DESCEND TO ONE THREE THOUSAND.
24'	WA 2605	WESTERN TWO SIX ZERO FIVE LEAVING THREE SEVEN ZERO FOR ONE THREE THOUSAND.
	WA 2605	MEXICO CENTER WESTERN TWO SIX ZERO FIVE LEAVING THREE SEVEN ZERO PLEASE ACKNOWLEDGE.
25'	CCA.	TWO SIX ZERO FIVE ROGER.
	WA 2605	THANK YOU.
28'		(TRAFFIC BN920 COYUCA TWO FOUR/THREE FIVE ZERO GDL FIVE TWO)

QUALITY CONTROL CHECK

	FIS 126.9	(TRAFFIC CONDOR THREE SIX FOUR TAMPICO)
1125'		CONDOR THREE SIX FOUR REQUEST THE LATEST WEATHER AND GATE.
	FIS	OKAY CONDOR THREE SIX FOUR MEXICO WEATHER PARTIAL OBSCURED VISIBILITY THREE MILES HAZE, SMOKE, FOG, TEMPERATURE ZERO NINE DEW POINT ZERO SEVEN WIND ZERO SIX ZERO - SEVEN KNOTS ALTIMETER THREE ZERO TWO ZERO AND YOUR GATE NUMBER SEVENTEEN ONE SEVEN.

0026

NOMBRE DE LA FACILIDAD	FECHA Y HORA (GMT) DE LA TRANSCRIPCION (2)	
INCIDENTE	FRECUENCIA(S) 120.1 126.9 119.7 Mhz	No. DE CINTA CTA 56
CERTIFICADA POR:	CERTIFICADA POR: CIDAA - GRUPO ATC	

TRANSCRIPCION MAGNETOFONICA

Controladores
Jaime Silver
Ricardo Sánchez

	CONDOR 364	OKAY THANK YOU VERY MUCH AND THE GATE ONE SEVEN?
	FIS	AFIRMATIVE.

- -

	WA 2605	MEXICO CITY WESTERN FLIGHT TWO SIX ZERO FIVE OVER.
	FIS	TWO SIX ZERO FIVE MEXICO.
	WA 2605	UH...ROGER WILL BE ON THE BLOCKS AT FIVE SIX PAST THE HOUR AND WILL HAVE TWO SIX THOUSAND IN TANKS AND CAN YOU GIVE ME MY GATE AND ALSO I COPIED ALL THE WEATHER EXCEPT THE WIND.
	FIS	OKAY THE WIND ZERO SIX ZERO DEGREES AT SEVEN KNOTS AND YOUR GATE IS ELEVEN, ONE ONE.
	WA 2605	ROGER COPIED GATE ONE ONE WESTERN SIX ZERO ONE UH... CORRECTION WESTERN TWO SIX ZERO FIVE OVER.
	FIS	ROGER.
1126'	WA 2605	...AND MEXICO CITY WESTERN TWO SIX ZERO FIVE WHAT RUNWAY ARE THEY USING?
	FIS	TWENTY THREE.
	WA 2605	UNDERSTAND RUNWAY TWO THREE.
	FIS	ROGER.

- -

1128'	CCA.	WESTERN TWO SIX ZERO FIVE CHANGE TO ONE NINETEEN SEVEN.
	WA 2605	SAY AGAIN TWO SIX O FIVE.
	CCA.	ONE NINE POINT SEVEN. QUALITY CONTROL CHECK
	WA 2605	ONE NINE POINT SEVEN "SO LONG".

- -

1128'	WA 2605	BUENAS NOCHES MEXICO WESTERN TWO SIX ZERO FIVE DESCENDING TO ONE THREE THOUSAND WE ARE OUT OF TWO FIVE POINT FIVE.
	TML.	TWO SIX ZERO FIVE ROGER RADAR CONTACT.
33'	TML.	WESTERN TWO SIX ZERO FIVE DESCEND TO ONE ONE THOUSAND, CLEARED FOR TEPEXPAN TWO THREE RIGHT. 6027

NOMBRE DE LA FACILIDAD	FECHA Y HORA (GMT) DE LA TRANSCRIPCION	
	(3)	
INCIDENTE	FRECUENCIA(S)	No. DE CINTA
WESTERN 2605	120.1 119.7 126.9 Mhz.	CTA 56
CERTIFICADA POR:	CERTIFICADA POR:	
	CIDAA - GRUPO ATC	

TRANSCRIPCION MAGNETOFONICA

Controladores
Jaime Silver
Ricardo Sánchez

	WA 2605	OKAY WELL DESCEND TO ONE ONE THOUSAND WESTERN TWENTY SIX O FIVE.
	TML.	ROGER.
	WA 2605	AND THAT WAS THE TEPEXPAN ARRIVAL FOR UH...TWENTY SIX O FIVE?
	TML.	THAT IS CORRECT.
1135'	TML.	WESTERN TWENTY SIX ZERO FIVE TOWER ADVICES GROUND FOG ON THE RUNWAY AND TWO MILES VISIBILITY ON THE FINAL APPROACH.
	WA 2605	ROGER TWENTY SIX ZERO FIVE.
	TML.	WESTERN TWENTY SIX ZERO FIVE CHANGE TO TOWER ONE EIGHTEEN ONE RADAR SERVICE TERMINATED.
38'	WA 2605	GOOD NIGHT ONE EIGHTEEN ONE TWENTY SIX ZERO FIVE.
	TML.	ROGER.

-------- o --------

- -

MEXICO 1100Z RS1 -X3 HKF 09/07 0607/224/ HKF VISI NE 2 MI F
MEXICO 1200Z RS2 W O X O FK 09/07 0206 227/FK 10 PISTA 23 D AVION ACCIDENTADO

CCA . centro de control

TML . Servicio de Terminal

FIS . Servicio de Información de vuelo

TWR . Torre de control.

QUALITY CONTROL CHECK

0028

NOMBRE DE LA FACILIDAD	FECHA Y HORA (GMT) DE LA TRANSCRIPCION	
TORRE DE CONTROL MEXICO	31 de Octubre de 1979.	
INCIDENTE	FRECUENCIA(S)	No. DE CINTA
WESTERN 2605	118.1 Mhz.	TWR. 20
CERTIFICADA POR:	CERTIFICADA POR:	
	CIDAA - GRUPO ATC	

TRANSCRIPCION MAGNETOFONICA

Controlador
Luis Manzanilla G.

(1138'14")	REPRODUCER'S TIME READER.	
1139'36"	WA 2605	GOOD MORNING UH...MEXICO TOWER WESTERN TWO SIX CERO FIVE IS IN BOUND FOR TWO THREE.
39'43"	TWR	WESTERN TWO SIX CERO FIVE, TWO THREE RIGHT REPORT OVER MIKE ECO WIND CALM.
39'45"	WA 2605	ROGER.
51"	WA 2605	AND WESTERN TWO SIX O FIVE IS INSIDE MIKE ECO.
40'57"	TWR	WESTERN TWO SIX O FIVE UH...ADVISE RUNWAY IN SIGHT.
41'05"	TWR	DO YOU HAVE YOUR LIGHTS ON?
41'10"	TWR	WESTERN SIX O FIVE YOU ARE TO THE LEFT OF THE TRACK.
41'14"	WA 2605	JUST A LITTLE BIT.
41'18"	TWR	ADVISE RUNWAY IN SIGHT, THERE IS A...LAYER OF A...FOG OVER THE FIELD.
41'26"	WA 2605	TWO SIX O FIVE ROGER.
41'48"	TWR	SIX O FIVE DO YOU HAVE APPROACH LIGHTS ON LEFT IN SIGHT?
41'52"	WA 2605	NEGATIVE.
41'54"	TWR	OKAY SIR UH...APPROACH LIGHTS ARE ON RUNWAY TWO THREE LEFT BUT THAT RUNWAY IS CLOSED TO TRAFFIC.
42'02"	WA 2605	OKAY TWO SIX O FIVE.
42'22"	WA 2605	OH... (P/T)
42'42"	WA 2605	CLICK (P/T)
43'08"	TWR	¡ SUB ESTACION DE TORRE SE ACABA DE ESTRELLAR EL WESTERN!
43'12"	SUB-EST.	LO VIMOS, ESTAMOS EN LA SALA SEIS.
43'16"	TWR	FAVOR DE AVISAR A BOMBEROS Y A COMANDANCIA.
43'19"	SUB-EST.	OKAY.

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QUALITY CONTROL CHECK

0029

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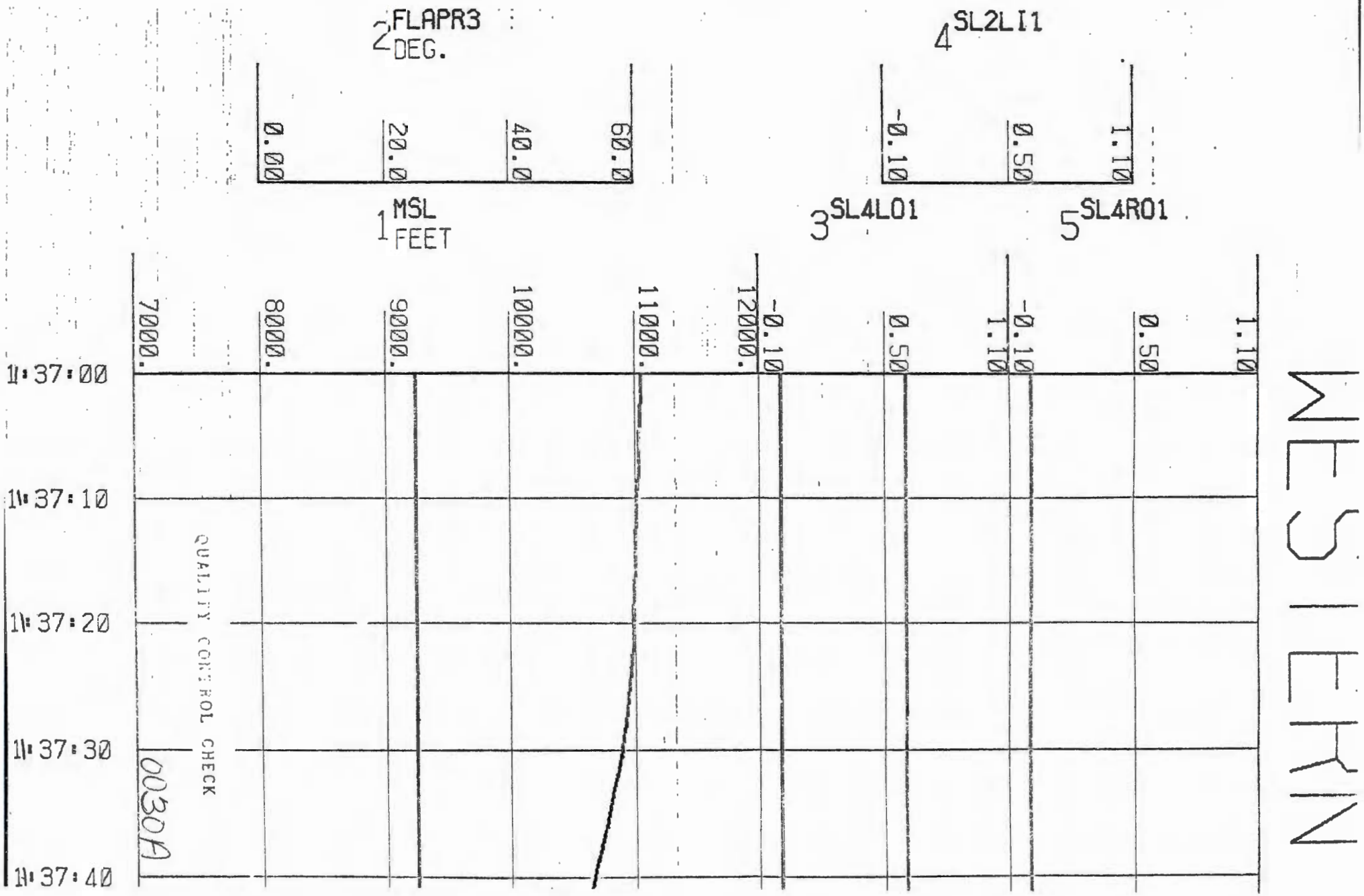
page # 0030 A thru D

QUALITY CONTROL CHECK

0030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3 SL4LO1
5 SL4RO1
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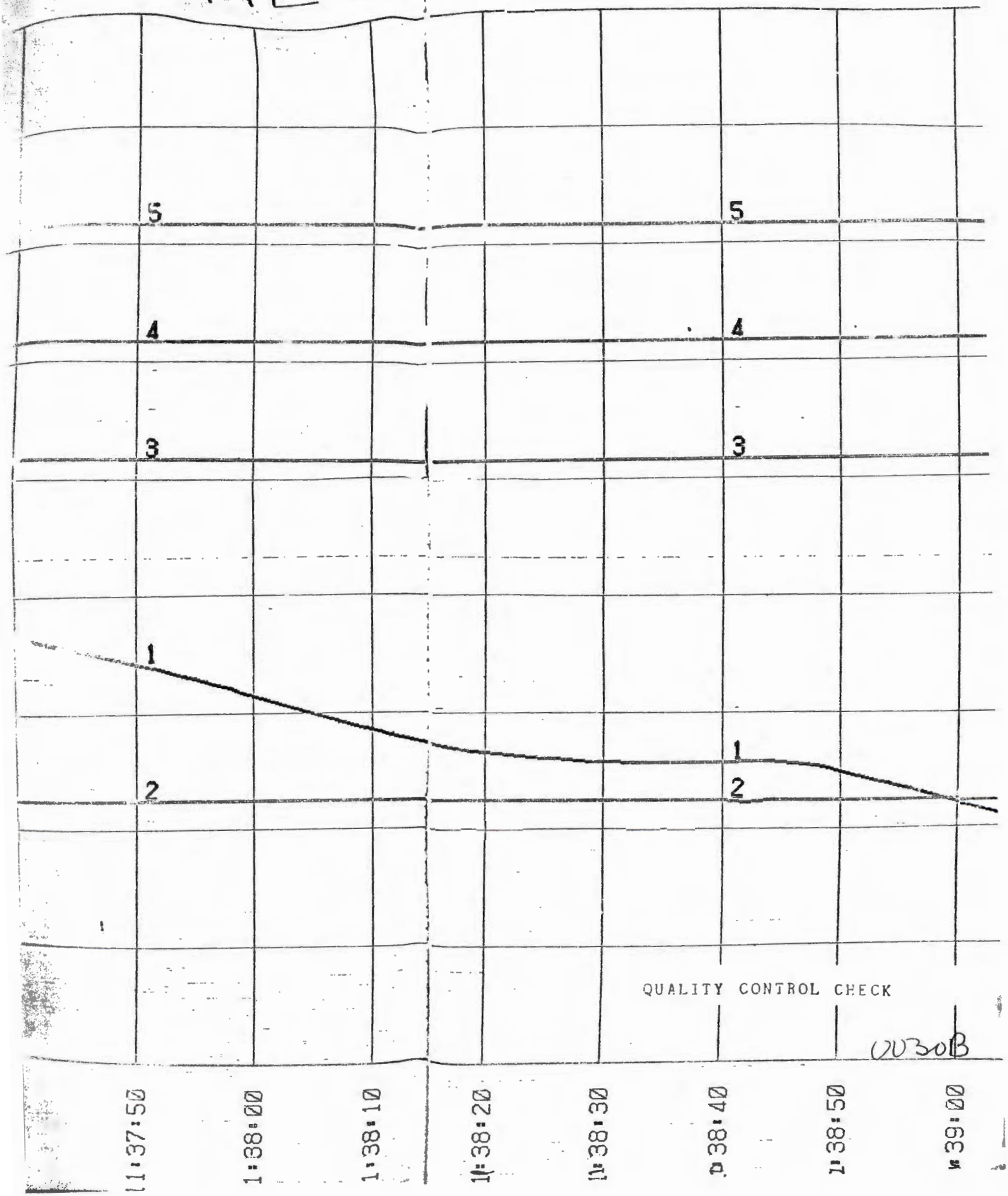
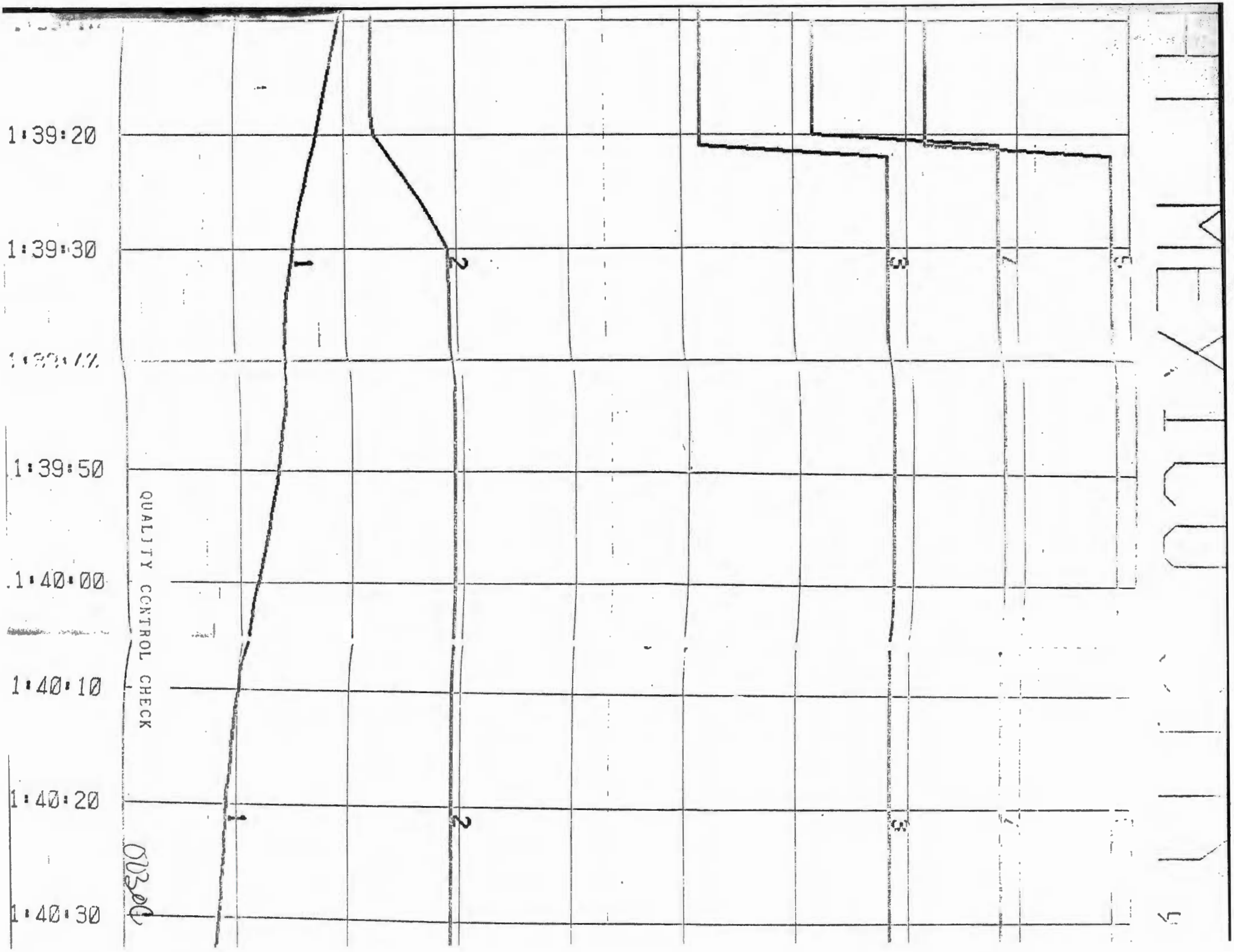
QUALITY CONTROL CHECK
0030A
WESTERN

AIRLINES DC-10

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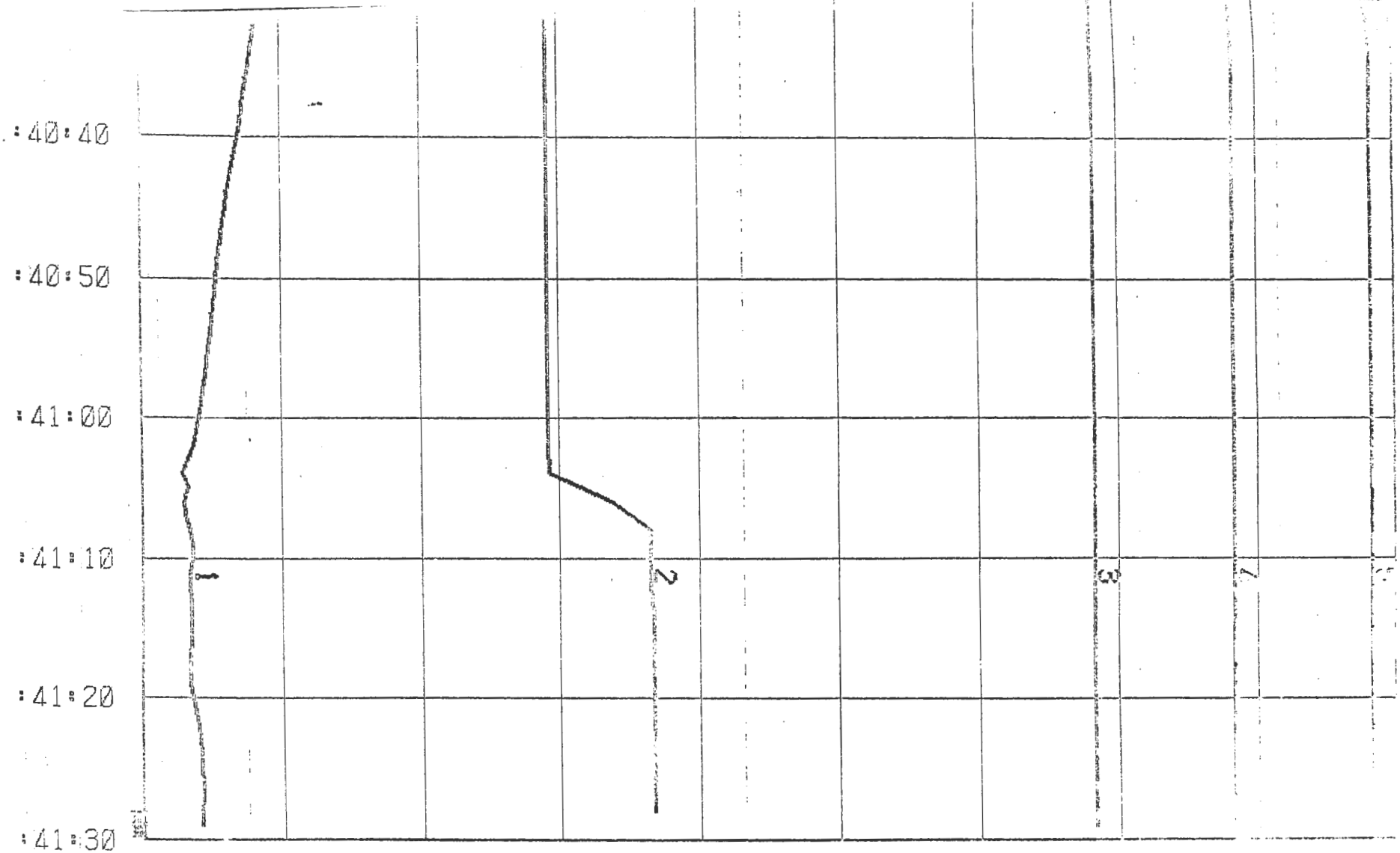
31-OCT-79



NATIONAL TRANSPORTATION SAFETY BOARD

BUREAU OF TECHNOLOGY
WASHINGTON, D. C.

QUALITY CONTROL CHECK

LOCATION: MEXICO CITY
DATE : 31-OCT-79
AIRCRAFT: DC-10

RECORDER M/M: SUNDSTRAND
RECORDER S/N: 2567

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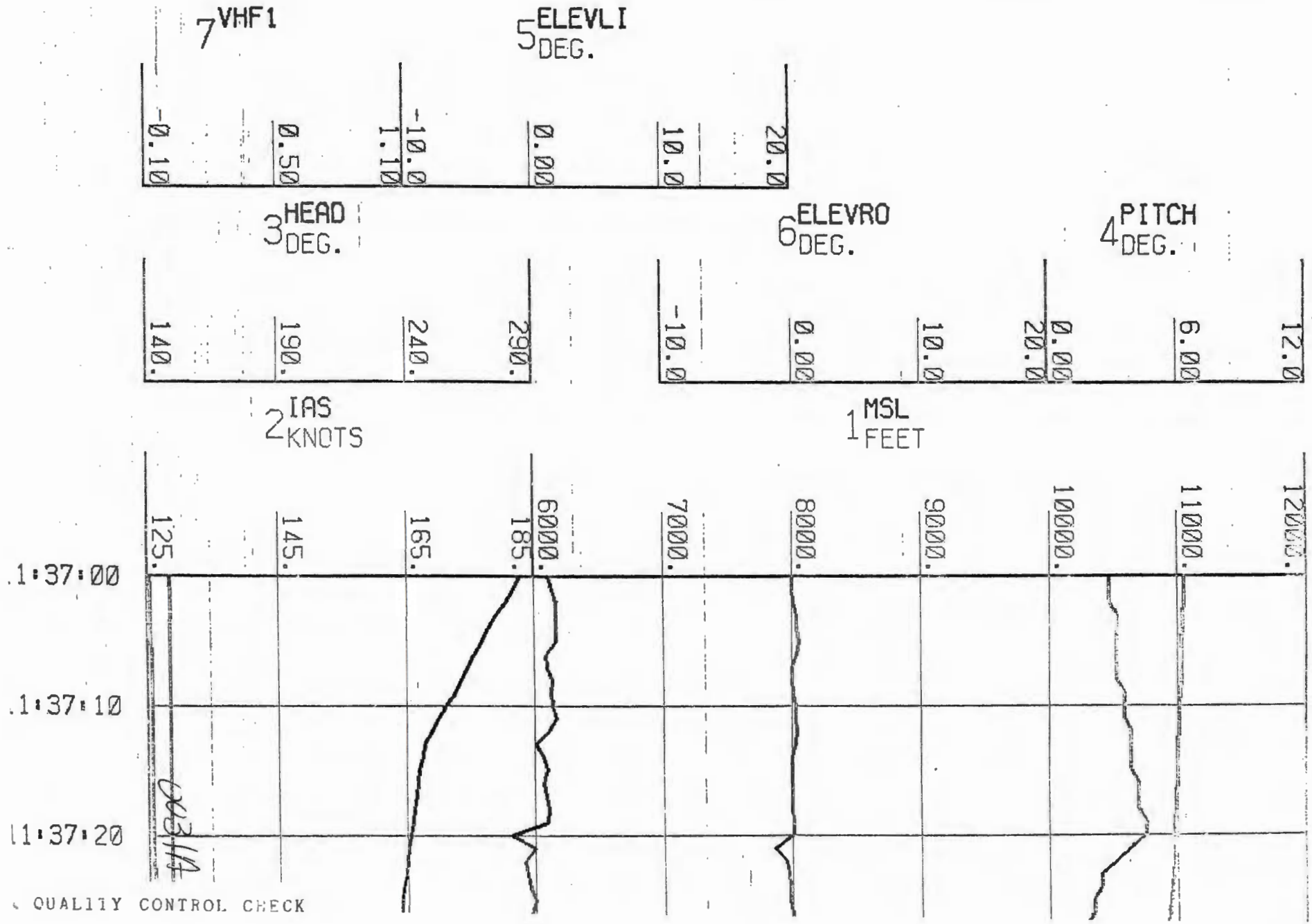
page # 0031 A thru E

QUALITY CONTROL CHECK

0031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6 ELEVRO DEG.
-10.0
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4 PITCH DEG.
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2 IAS KNOTS
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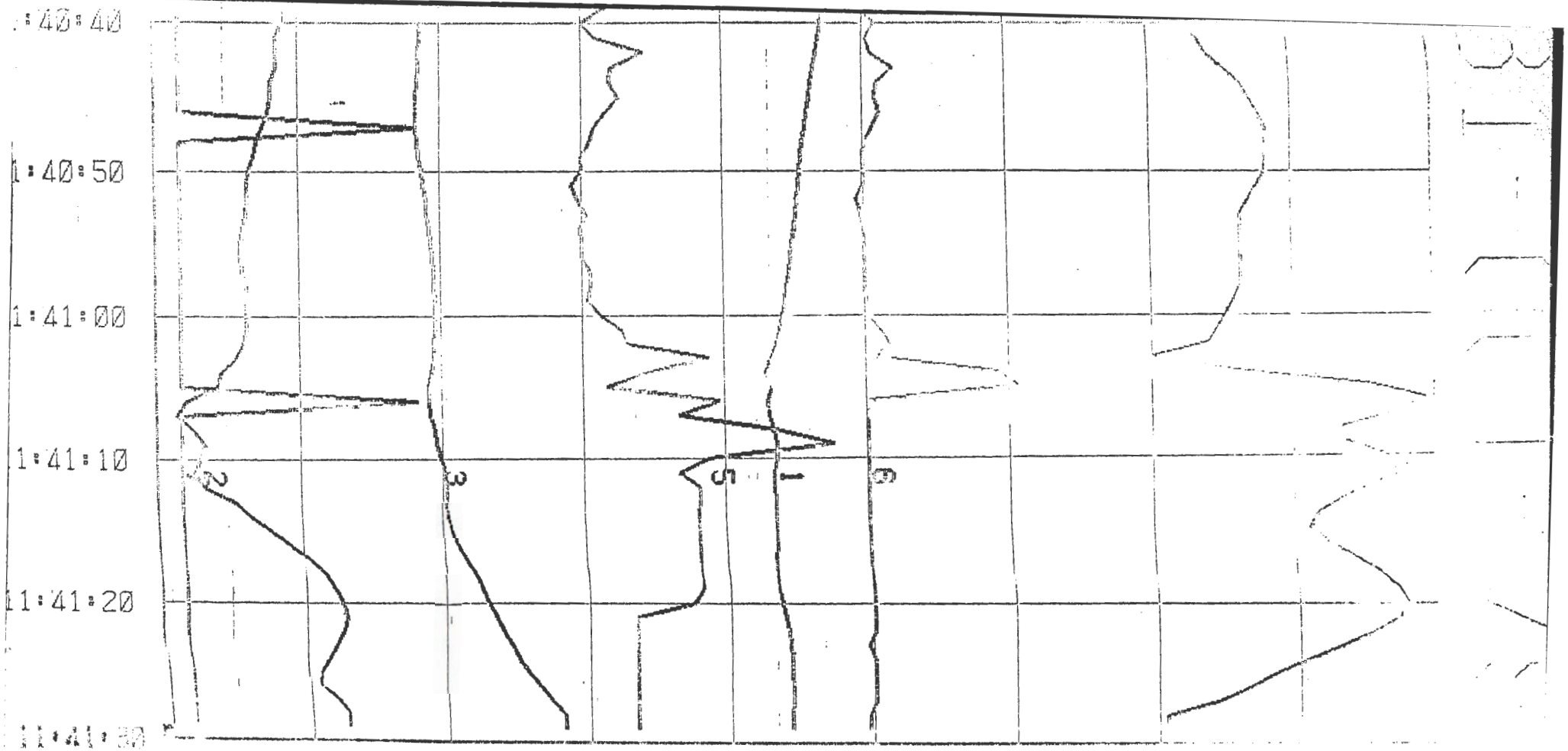

NATIONAL TRANSPORTATION SAFETY BOARD

BUREAU OF TECHNOLOGY

WASHINGTON, D. C.

QUALITY CONTROL CHECK

LOCATION:	MEXICO CITY	RECORDER M/M:	SUNDSTRAND 573A
DATE:	31-OCT-79	RECORDER S/N:	2567
AIRCRAFT:	DC-10	IDENT. NO. :	DCP 00-RA-003
OPERATOR:	WESTERN AIRLINES	REPORT NO. :	
FLIGHT NO.:	2605		

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requires 4 frames

page # 0032 A thru D

QUALITY CONTROL CHECK

0032

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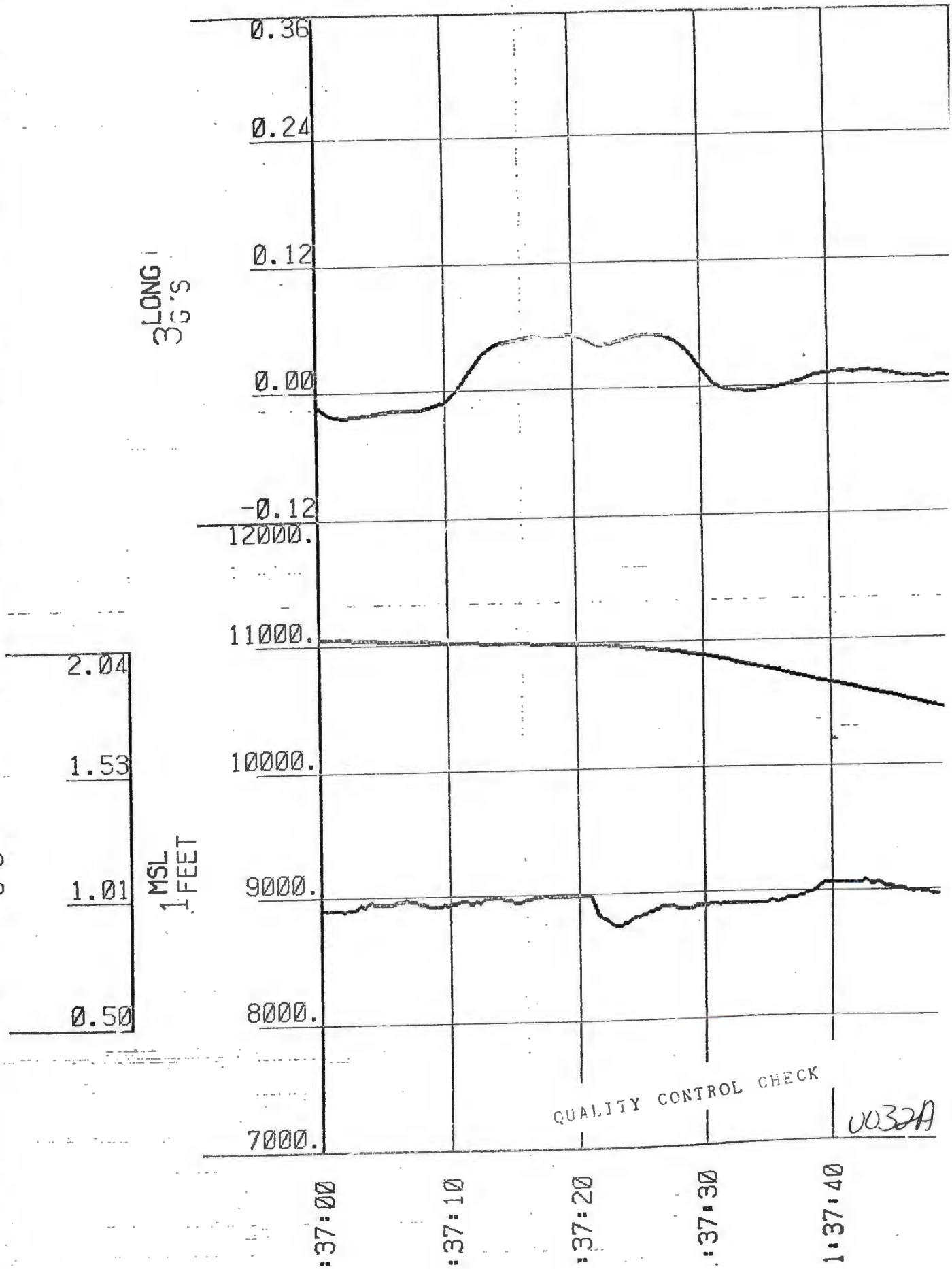
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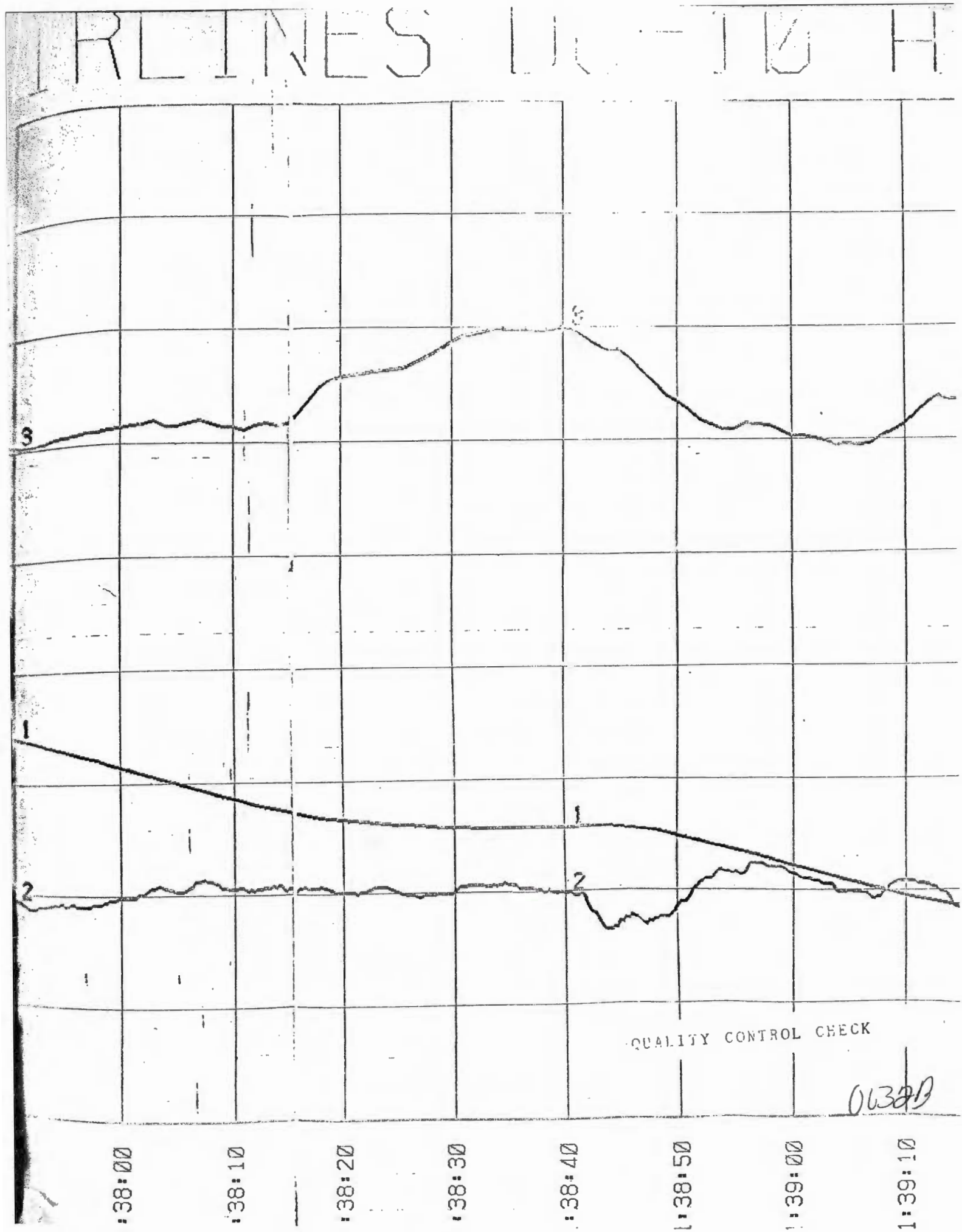
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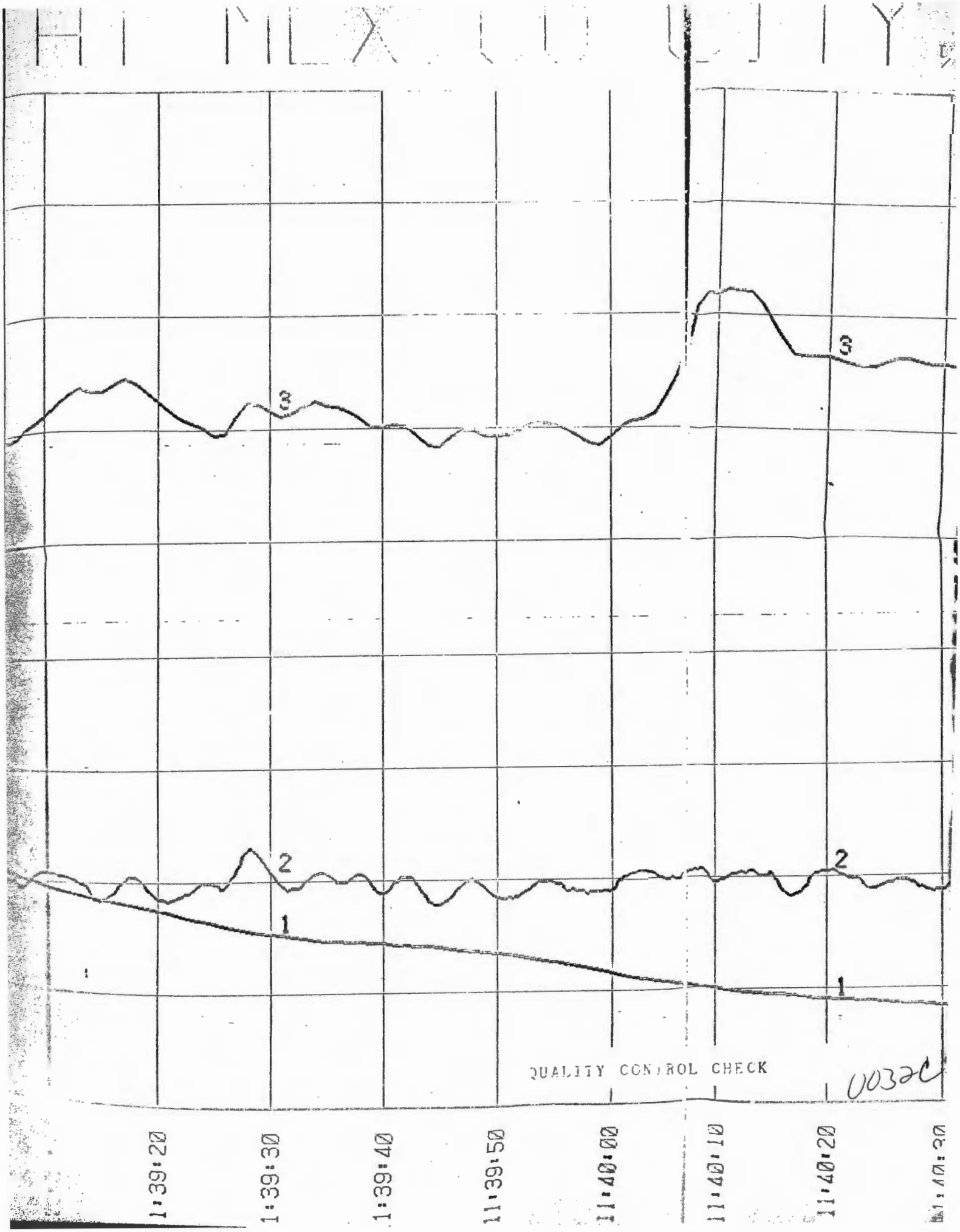
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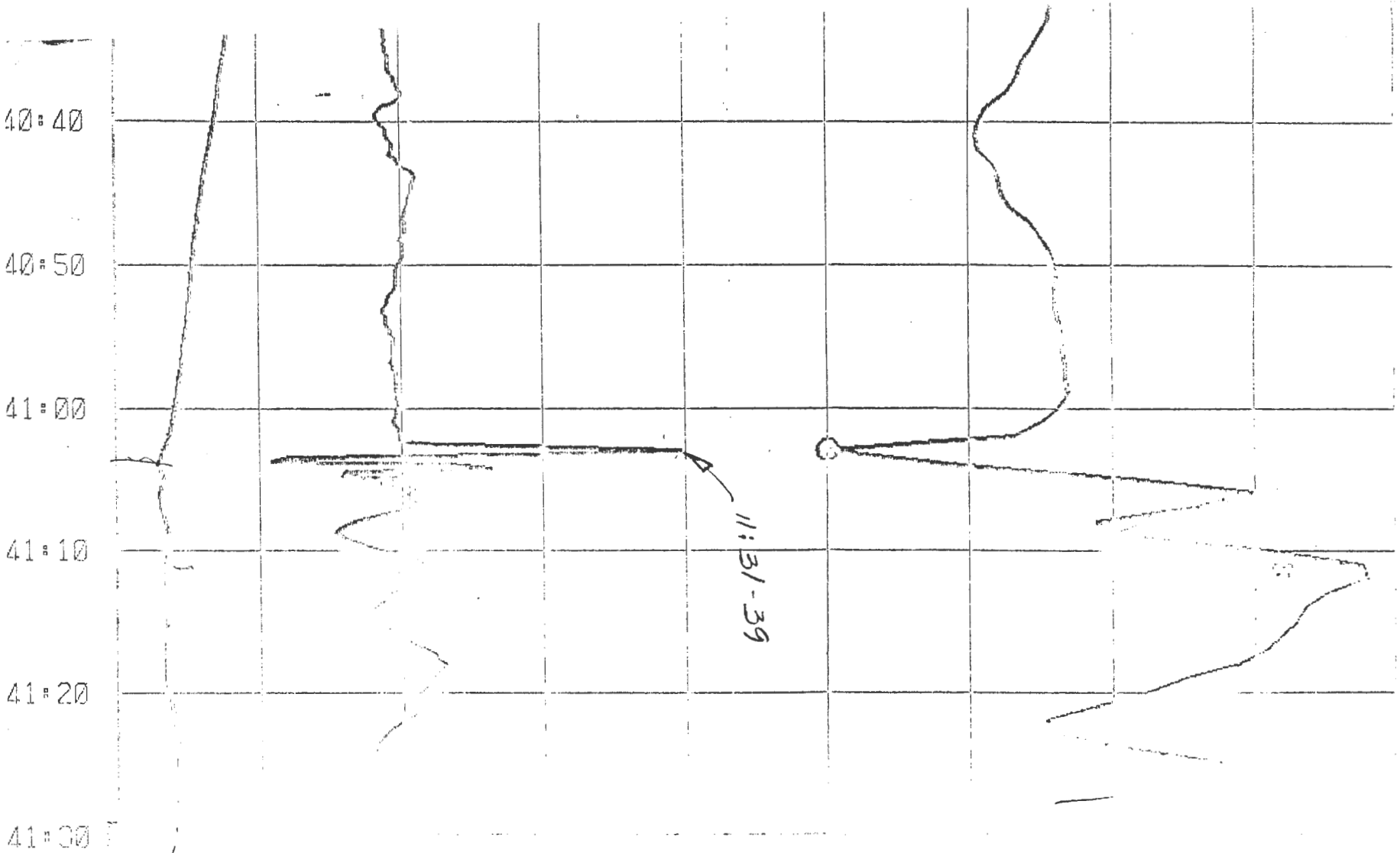

NATIONAL TRANSPORTATION SAFETY BOARD

BUREAU OF TECHNOLOGY
WASHINGTON, D. C.

QUALITY CONTROL CHECK

00321

LOCATION: MEXICO CITY
DATE : 31-OCT-79
AIRCRAFT: DC-10
OPT. OPER: WESTERN AIRLINES

RECORDER M/M: SUNDSTRAND 573
RECORDER S/N: 2567
IDENT. NO. : DCA 80-RA-003
REPORT NO. :

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page # 0033 A thru E

QUALITY CONTROL CHECK

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4 RUDLO DEG.
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-3.00
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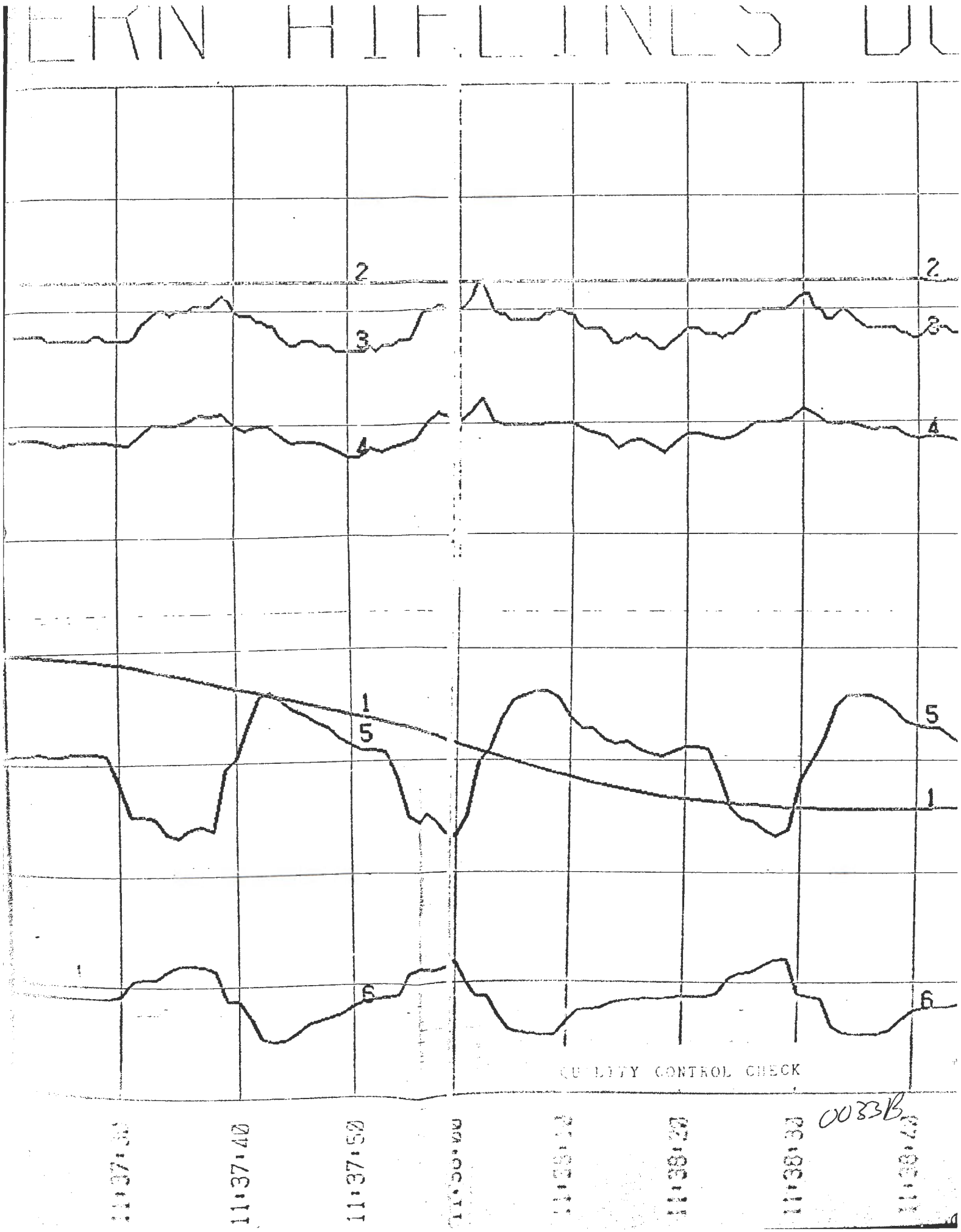
ERN HIFLINES UC
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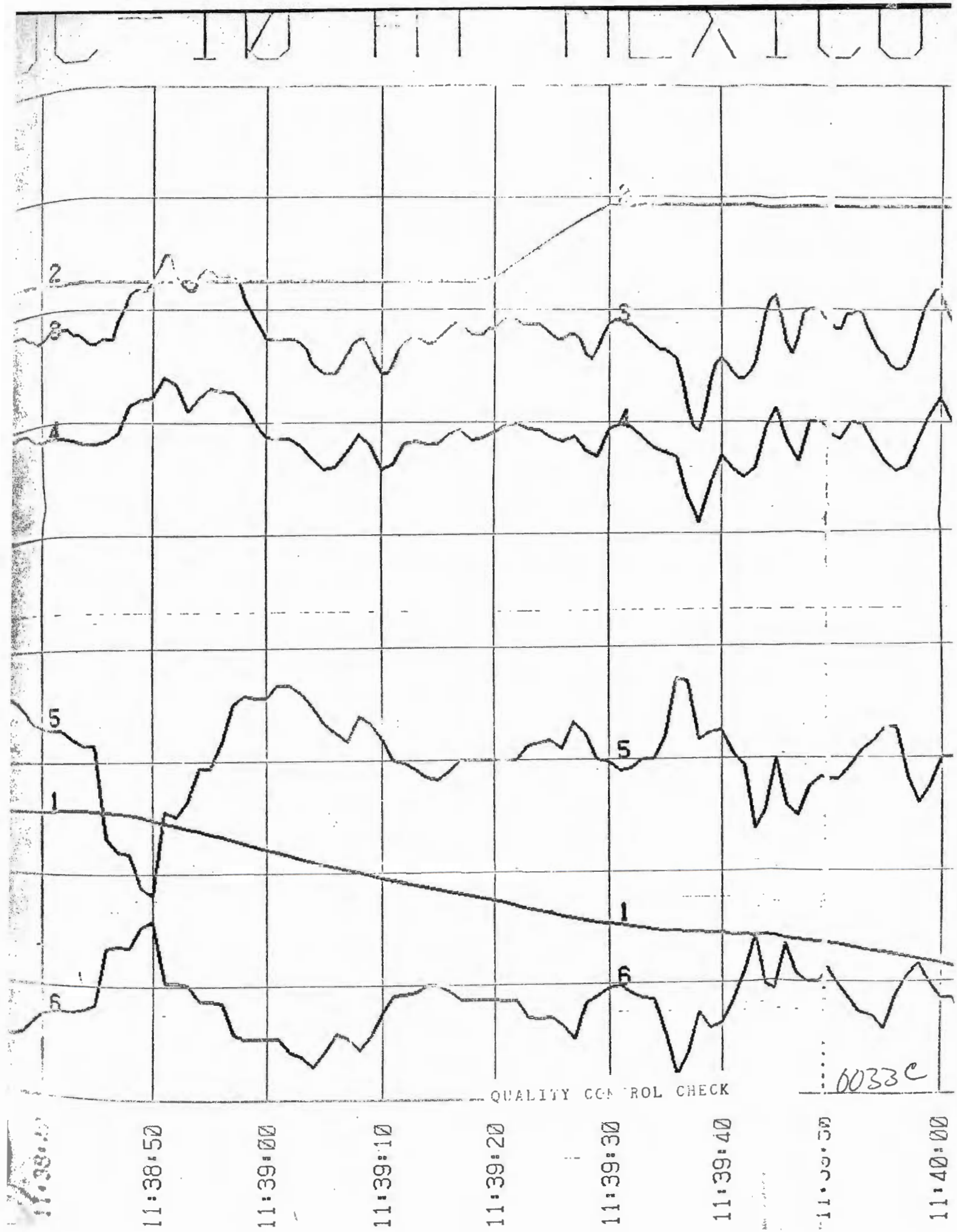
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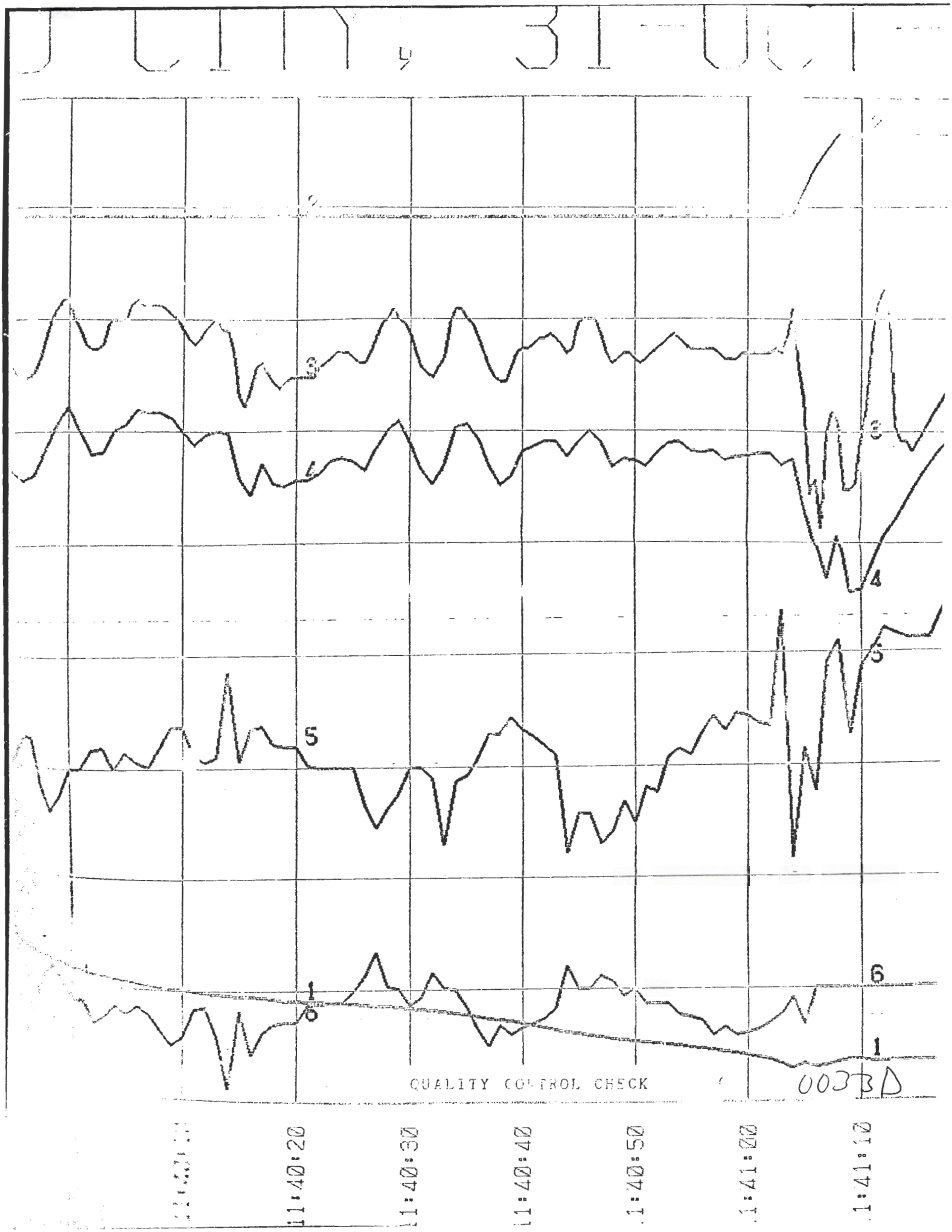
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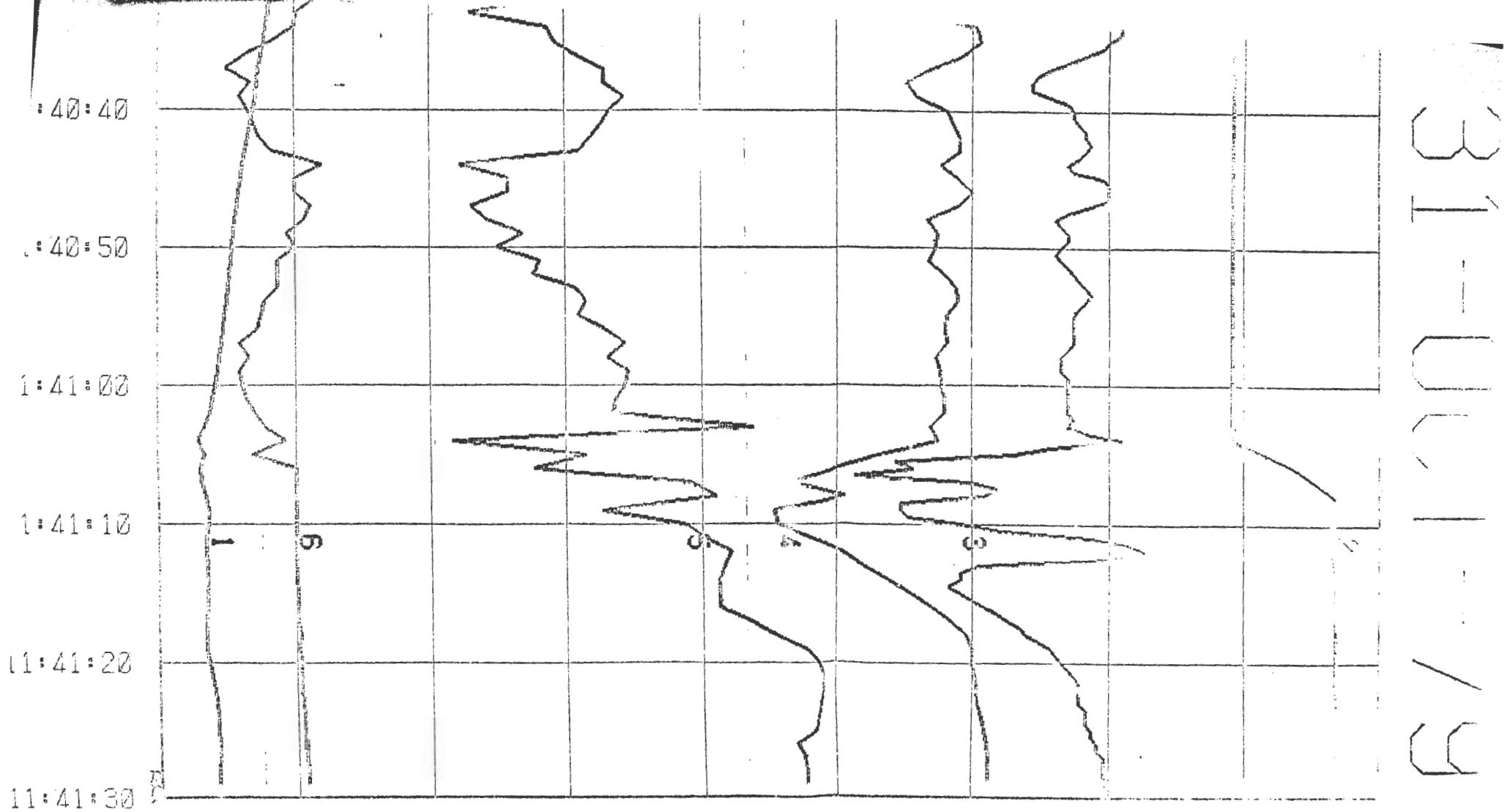

NATIONAL TRANSPORTATION SAFETY BOARD

BUREAU OF TECHNOLOGY
WASHINGTON, D. C.

QUALITY CONTROL CHECK

0036

LOCATION: MEXICO CITY
DATE : 31-OCT-79
AIRCRAFT: DC-10
OPERATOR: WESTERN AIRLINES

RECORDER M/M: SUNDSTRAND 573A
RECORDER S/N: 2557
IDENT. NO. : DCA 80-RA-003
REPORT NO. :

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QUALITY CONTROL CHECK

0034

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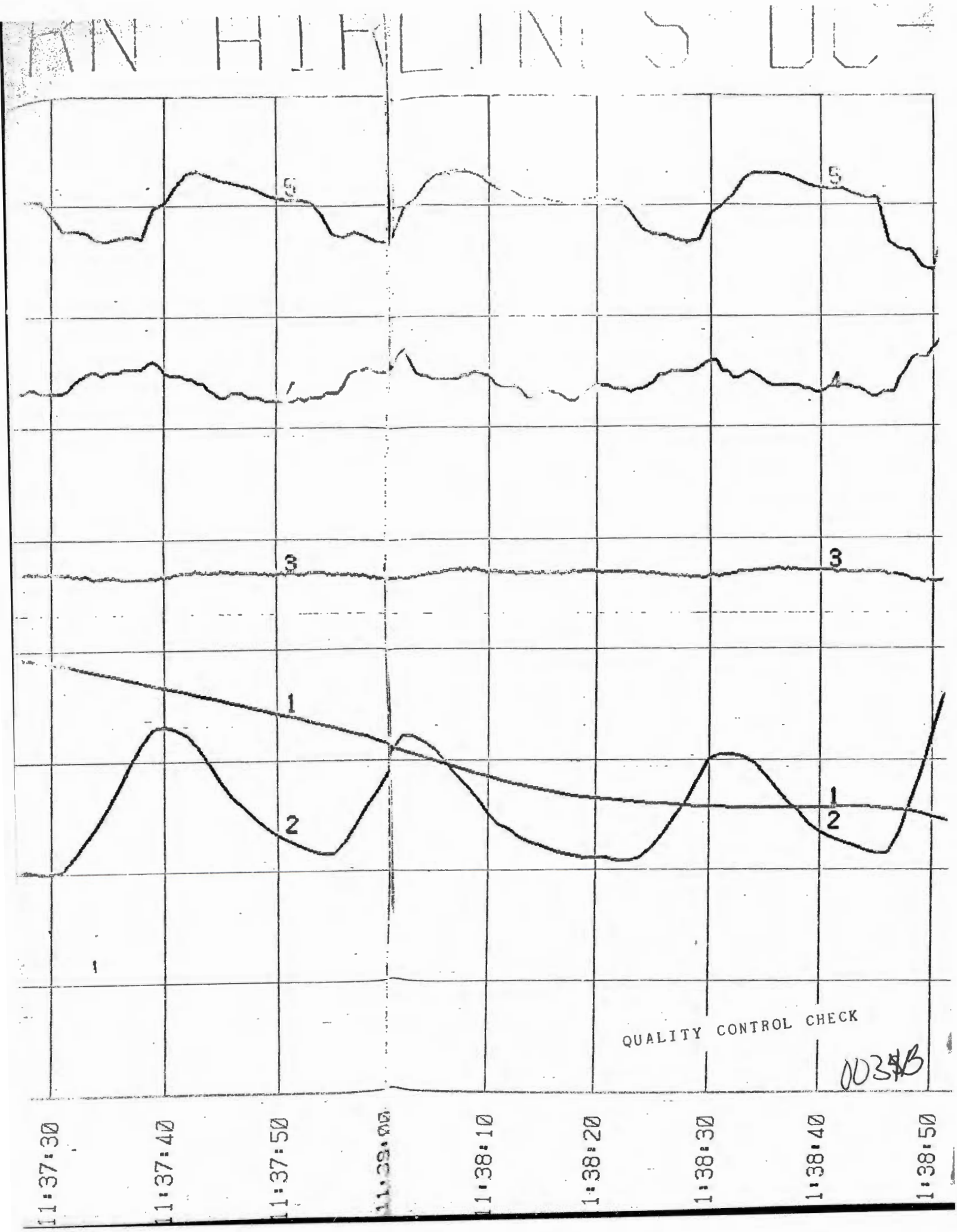
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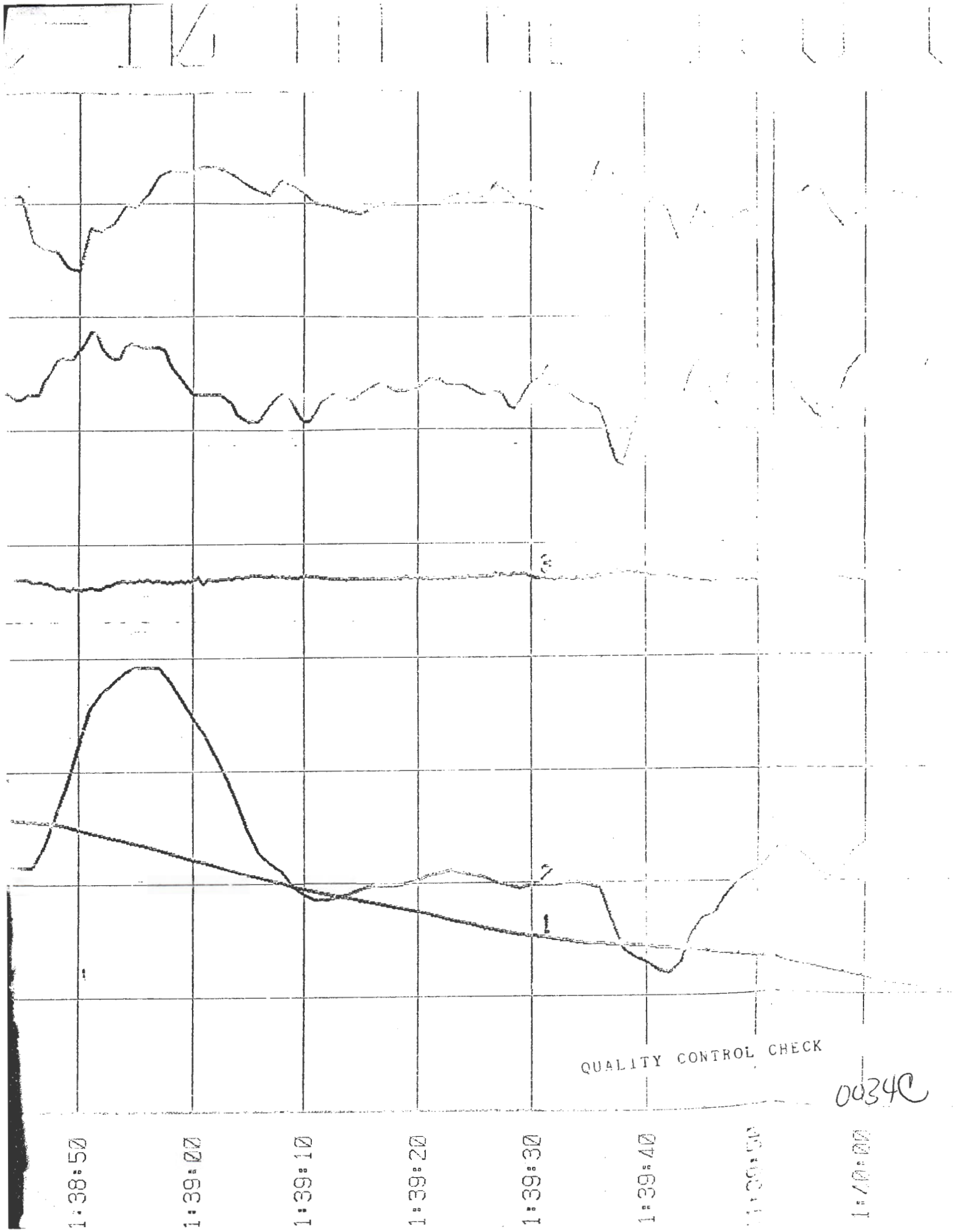
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31-OCT-7
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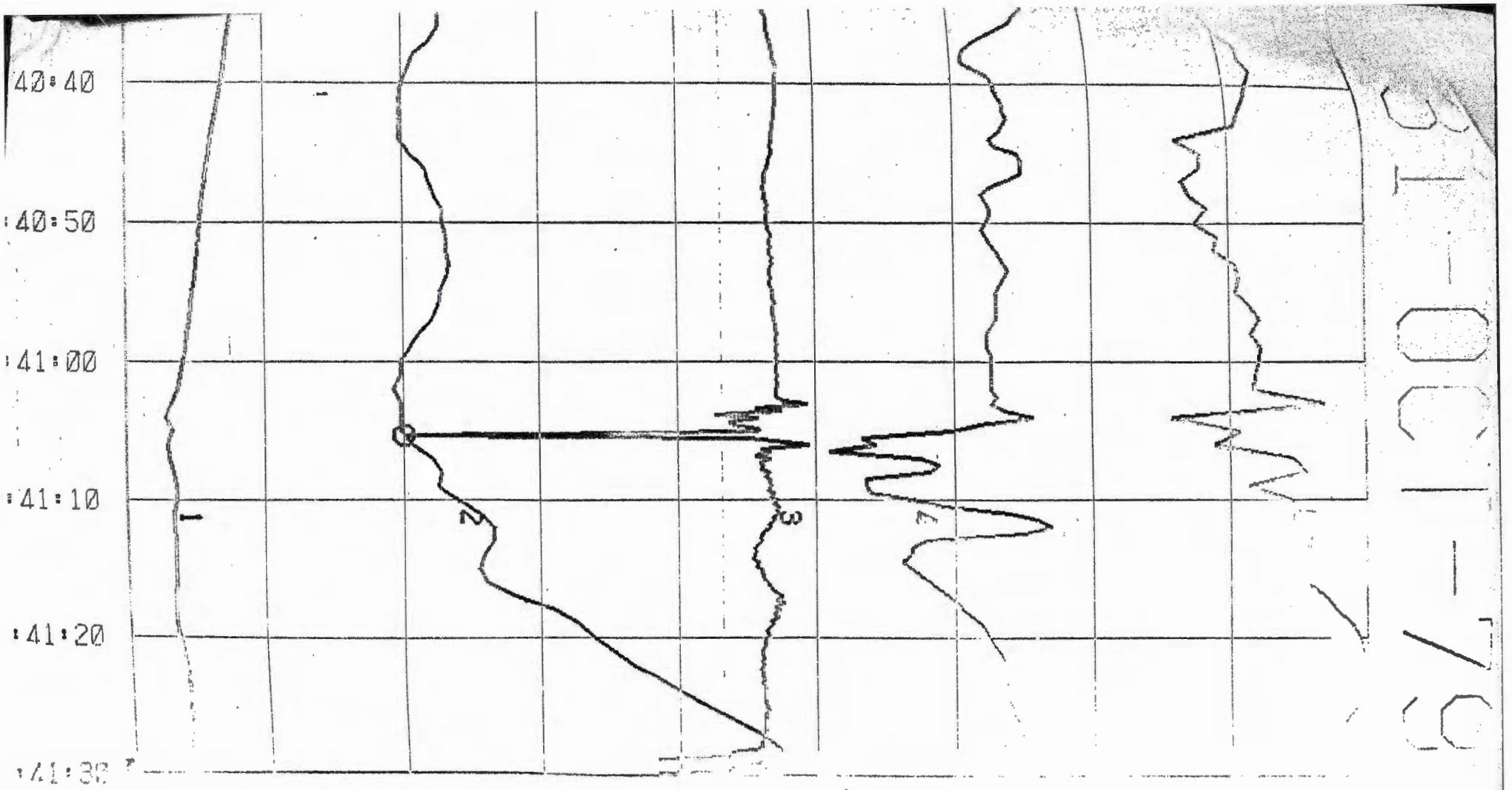

NATIONAL TRANSPORTATION SAFETY BOARD

BUREAU OF TECHNOLOGY

WASHINGTON, D. C.

QUALITY CONTROL CHECK

LOCATION: MEXICO CITY
DATE : 31-OCT-79
AIRCRAFT: DC-10
OPERATOR: WESTERN AIRLINES
FLT. NO.: 2605

RECORDER M/M: SUNDSTRAND
RECORDER S/N: 2587
IDENT. NO. : DCA 80-RA-003
REPORT NO. :

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page # 0035 A thru E

QUALITY CONTROL CHECK

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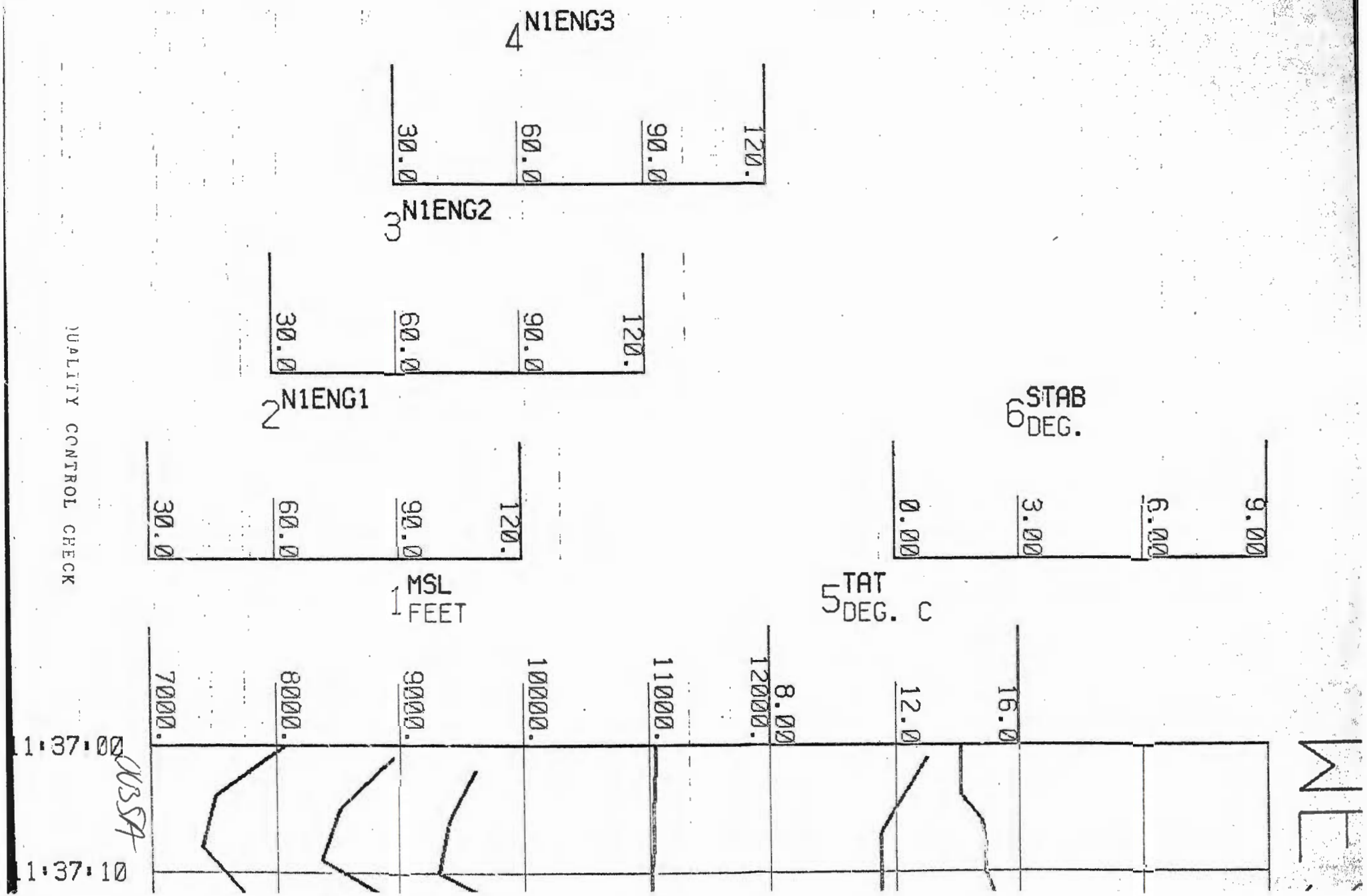
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QUALITY CONTROL CHECK
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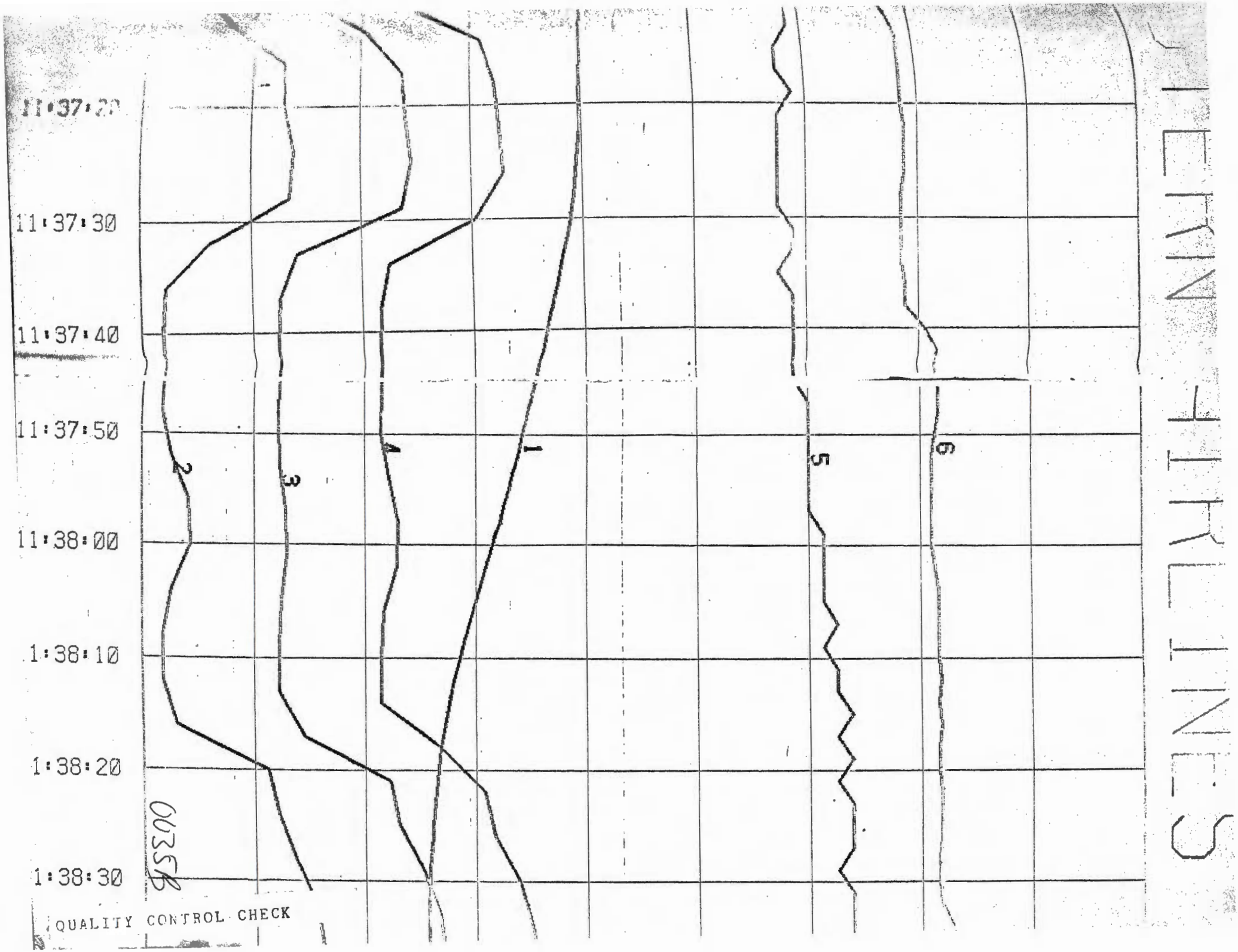
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QUALITY CONTROL CHECK
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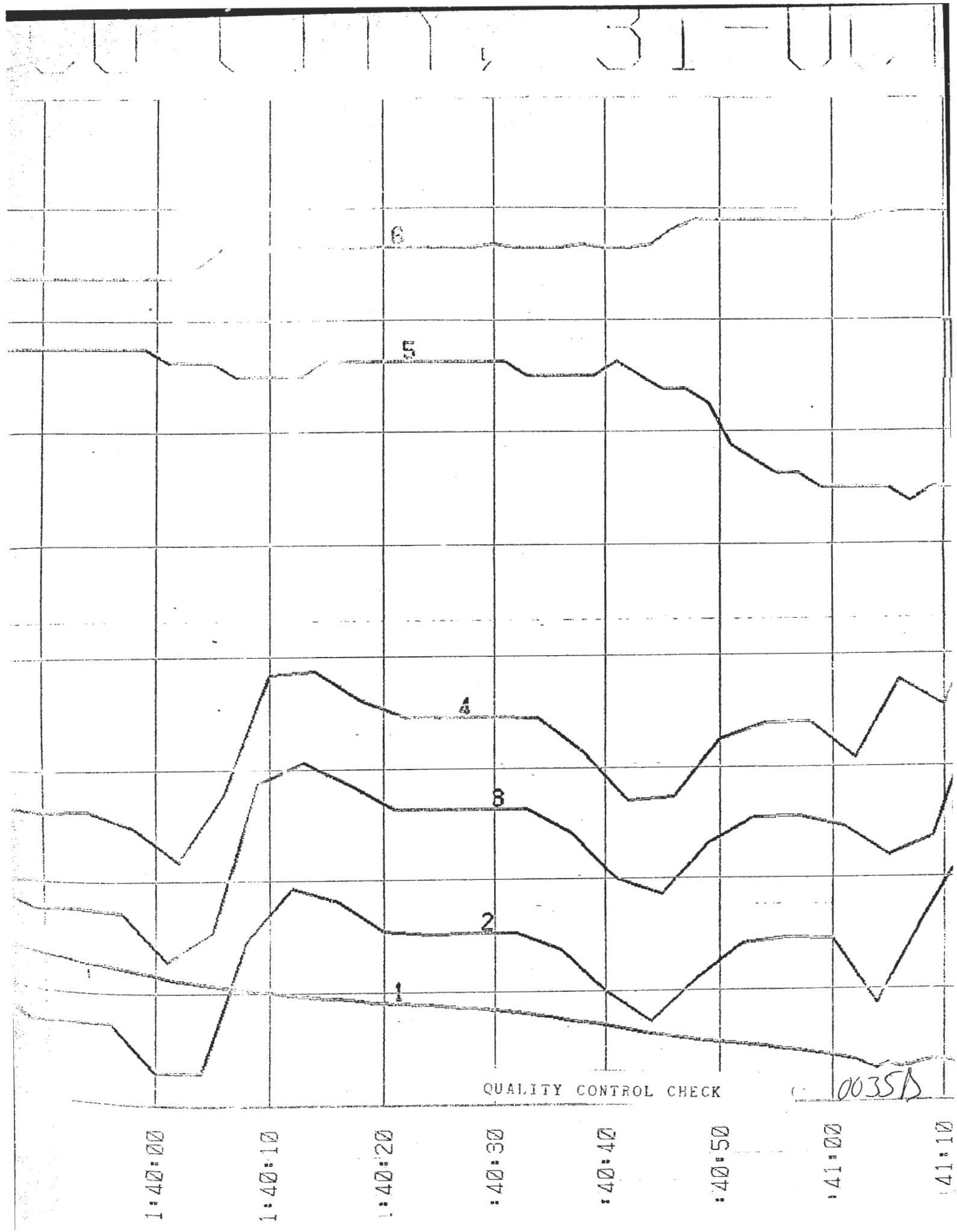
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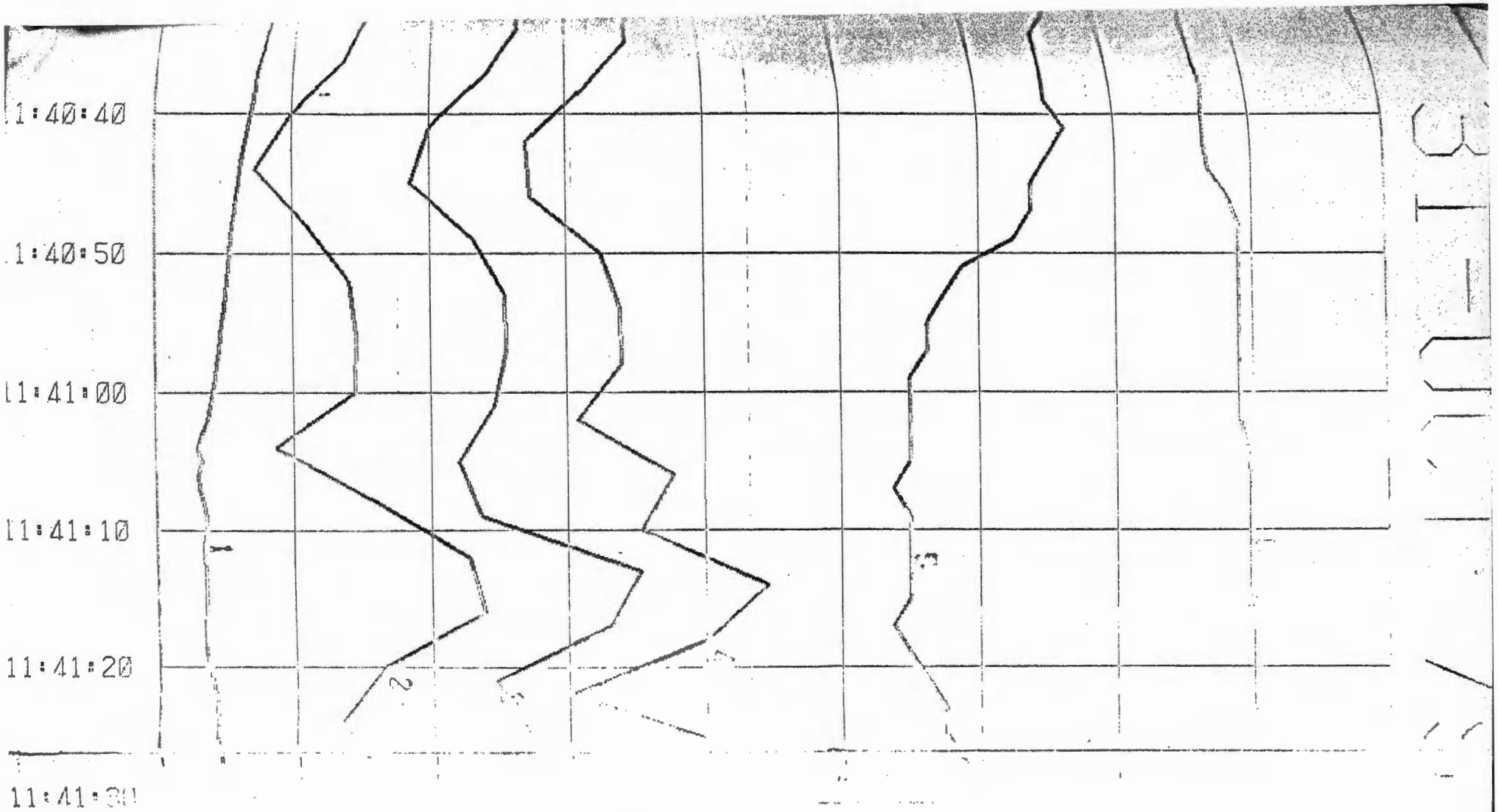
:41:00
:41:10



3

NATIONAL TRANSPORTATION SAFETY BOARD

BUREAU OF TECHNOLOGY

WASHINGTON, D. C.

QUALITY CONTROL CHECK

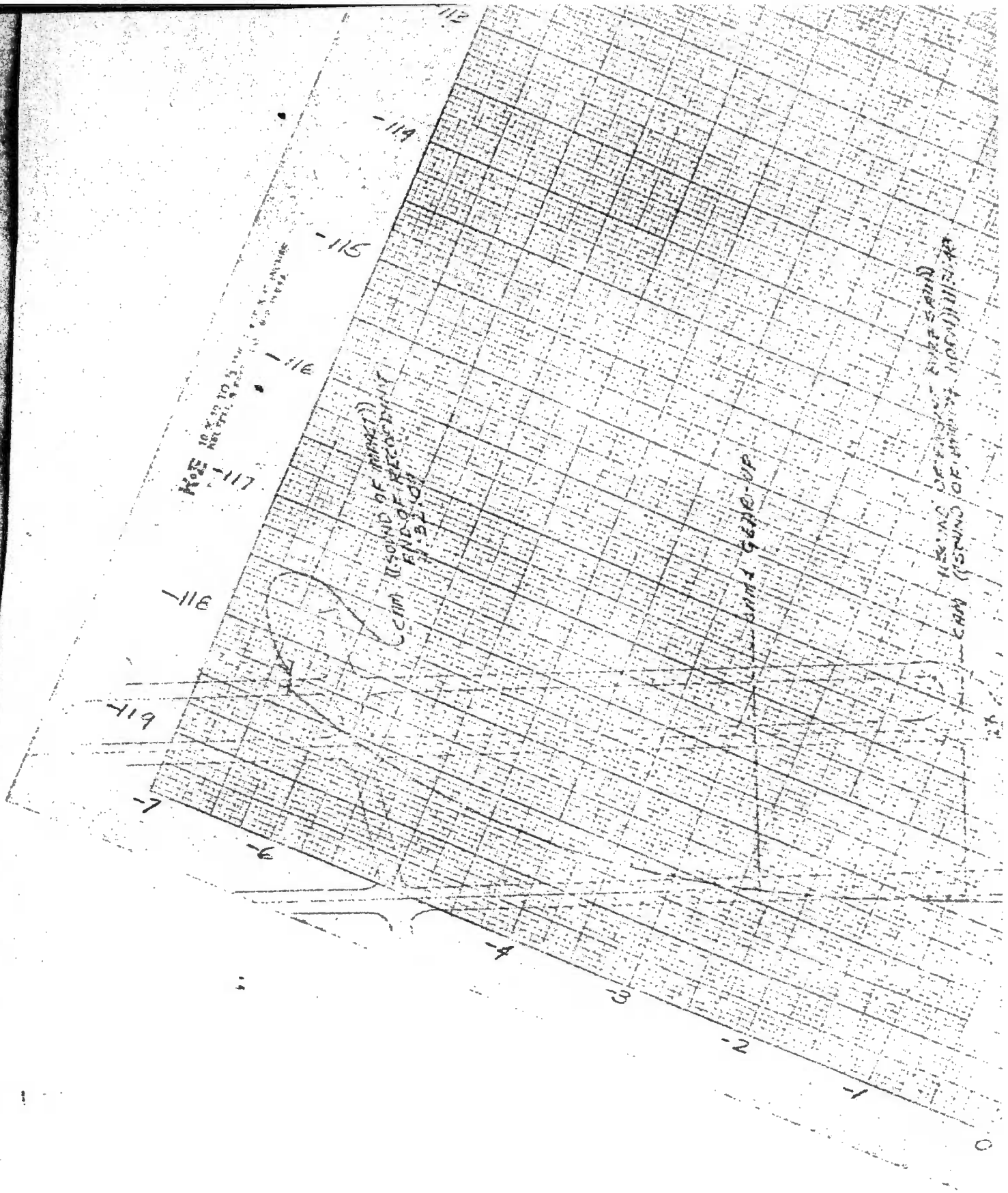
LOCATION:	MEXICO CITY	RECORDER M/M:	SUNDSTRAND 573A
DATE :	31-OCT-79	RECORDER S/N:	2567
AIRCRAFT:	DC-10	IDENT. NO. :	DCA 80-RA-003
OPERATOR:	WESTERN AIRLINES	REPORT NO :	

Sequential frames
of
oversized document
requires 7 frames

page # 0036 A thru G

QUALITY CONTROL CHECK

0036



QUALITY CONTROL CHECK

0036A

QUALITY CONTROL CHECK
QU30.6

THE TOP LED OVERHEAD LIGHTS ARE ON
PLEASE BE LEFT ON THAT
CAN NOT BE CLOSED TO TRAFFIC
11:27:17

NEGATIVE [illegible]
DO YOU HAVE
LIGHTS (ON LEFT)
INFINITY

CAM 3 FLASH THAT FIVE (5) FIVE
GREEN 11:31:06

QUALITY CONTROL CHECK

00360

CAM: GET THE MOSSO ATOMIC HEADING
FIFTEEN BANK HOUSE

CAM: FLAME BLANKS THE TRAILER HE TO
FA GOOD MOSSO

CAM: GRUNTS LIKE SLOPE 11:30:44

CAM: SOUND OF INCREASING FOWER 11:30:48

CAM: GOWS GUCK SLEEP 11:30:47

CAM: GUD DAMMED TRAIL (ISN'T) WORKING
TO GOOD 11:30:51

ROOR: JUST A LITTLE BIT 11:30:58

CAM: YEA WE KNOW 11:30:59

QUALITY CONTROL CHECK

00361

QUALITY CONTROL CHECK

00368

CHIPS IT JUST DIED ** 11:20:07
((SOUND OF MARLER BERCON TONE))
11:28:59
WO 1
QUALITY CONTROL CHECK
00 36 F

QUALITY CONTROL CHECK

DISCRETE DATA DUMP
DUMP VARIABLE DICTIONARY

MNEMONIC	PARAMETER NAME
FLAG1	AIRSPEED FLAG 1
FLAG6	AIRSPEED FLAG 2
FLAG5	TOTAL AIR TEMP FLAG 1
FLAG6	TOTAL AIR TEMP FLAG 2
SL4L01	SLAT 4 LEFT OUTBD (MSB)
SL4L02	SLAT 4 LEFT OUTBD (LSB)
SL2L11	SLAT 2 LEFT INBD (MSB)
SL2L12	SLAT 2 LEFT INBD (LSB)
SL4R01	SLAT 4 RIGHT OUTBD (MSB)
SL4R02	SLAT 4 RIGHT OUTBD (LSB)

Considered as a pair:
"
"

$\phi\perp$ NOT COMPUTED
$\phi\phi$ POSITIVE DATA
$\perp\phi$ FAIL FLAG
$\perp\perp$ NEGATIVE DATA

SLAT	POSITION
MSB LSB	
ϕ ϕ	TRANSIT
ϕ $\perp$	TAKEOFF
$\perp$ ϕ	CRUISE
$\perp$ $\perp$	LAND

END OF PARAMETER LIST THIS PASS
BEGINNING DUMP OF PASS PARAMETERS

WESTERN DC-10
MEXICO CITY
31-OCT-79
PART 5 OF 5

Carol A Robert
11/9/79

CA DFDR every 2000 hrs
845 hrs since last check

QUALITY CONTROL CHECK

78

0037

NTSB DATA DUMP PROGRAM PAGE 1

09-NOV-79 WESTERN AIRLINES DC-10 AT MEXICO CITY, 31-OCT-79

TPED.	DATE	LEG											
S FRAME	LAPSE	GMT	FLAG3	FLAG4	FLAG5	FLAG6	SL4LO1	SL4LO2	SL2LI1	SL2LI2	SL4RO1	SL4RO2	
1291.	01:25	11:33	0	0			1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
							1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
1292.	01:26	11:33	0	0			1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
							1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
1293.	01:26	11:33	0	0			1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
							1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
1294.	01:26	11:33	0	0			1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
							1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
1295.	01:26	11:33	0	0			1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
							1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
1296.	01:26	11:33	0	0			1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
							1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
1297.	01:26	11:33	0	0			1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
							1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
1298.	01:26	11:33	0	0			1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
							1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
1299.	01:26	11:33	0	0			1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
							1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
1300.	01:26	11:33	0	0			1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
							1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
1301.	01:26	11:33	0	0			1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
							1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
1302.	01:26	11:33	0	0			1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
							1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
1303.	01:26	11:34	0	0			1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
							1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
1304.	01:26	11:34	0	0			1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
							1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
1305.	01:26	11:34	0	0			1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	
							1	0	1	0	1	0	
					0	0	1	0	1	0	1	0	

SLAT IN CRUISE POSITION

71 QUALITY CONTROL CHECK

0038

TRIP DATE GEG

S FRAME	LAPSE	GMT	FLAG3	FLAG4	FLAG5	FLAG6	SL4LO1	SL4LO2	SL2LI1	SL2LI2	SL4RO1	SL4RO2
1306.	01:27	11:34	0	0			1	0	1	0	1	0
					0	0	1	0	1	0	1	0
							1	0	1	0	1	0
1307.	01:27	11:34	0	0			1	0	1	0	1	0
					0	0	1	0	1	0	1	0
							1	0	1	0	1	0
1308.	01:27	11:34	0	0			1	0	1	0	1	0
					0	0	1	0	1	0	1	0
							1	0	1	0	1	0
1309.	01:27	11:34	0	0			1	0	1	0	1	0
					0	0	1	0	1	0	1	0
							1	0	1	0	1	0
1310.	01:27	11:34	0	0			1	0	1	0	1	0
					0	0	1	0	1	0	1	0
							1	0	1	0	1	0
1311.	01:27	11:34	0	0			1	0	1	0	1	0
					0	0	1	0	1	0	1	0
							1	0	1	0	1	0
1312.	01:27	11:34	0	0			1	0	1	0	1	0
					0	0	1	0	1	0	1	0
							1	0	1	0	1	0
1313.	01:27	11:34	0	0			1	0	1	0	1	0
					0	0	1	0	1	0	1	0
							1	0	1	0	1	0
1314.	01:27	11:34	0	0			1	0	1	0	1	0
					0	0	1	0	1	0	1	0
							1	0	1	0	1	0
1315.	01:27	11:34	0	0			1	0	1	0	1	0
					0	0	1	0	1	0	1	0
							1	0	1	0	1	0
1316.	01:27	11:34	0	0			1	0	1	0	1	0
					0	0	1	0	1	0	1	0
							1	0	1	0	1	0
1317.	01:27	11:34	0	0			1	0	1	0	1	0
					0	0	1	0	1	0	1	0
							1	0	1	0	1	0
1318.	01:27	11:35	0	0			1	0	1	0	1	0
					0	0	1	0	1	0	1	0
							1	0	1	0	1	0
1319.	01:27	11:35	0	0			1	0	1	0	1	0
					0	0	1	0	1	0	1	0
							1	0	1	0	1	0
1320.	01:27	11:35	0	0			1	0	1	0	1	0
					0	0	1	0	1	0	1	0
							1	0	1	0	1	0
					0	0	1	0	1	0	1	0

CRUISE

QUALITY CONTROL CHECK

70

0039

TAPE DATE LEG

S frame	LAPSE - GMT	FLAG3	FLAG4	FLAG5	FLAG6	SL4LO1	SL4LO2	SL2LI1	SL2LI2	SL4RO1	SL4RO2
1321.	01:28 11:35	0	0	0	0	1	0	1	0	1	0
				0	0	1	0	1	0	1	0
1322.	01:28 11:35	0	0	0	0	1	0	1	0	1	0
				0	0	1	0	1	0	1	0
1323.	01:28 11:35	0	0	0	0	1	0	1	0	1	0
				0	0	1	0	1	0	1	0
1324.	01:28 11:35	0	0	0	0	1	0	1	0	1	0
				0	0	1	0	1	0	1	0
1325.	01:28 11:35	0	0	0	0	1	0	1	0	1	0
				0	0	1	0	1	0	1	0
1326.	01:28 11:35	0	0	0	0	1	0	1	0	1	0
				0	0	1	0	1	0	1	0
1327.	01:28 11:35	0	0	0	0	1	0	1	0	1	0
				0	0	1	0	1	0	1	0
1328.	01:28 11:35	0	0	0	0	1	0	1	0	1	0
				0	0	1	0	1	0	1	0
1329.	01:28 11:35	0	0	0	0	1	0	1	0	1	0
				0	0	1	0	1	0	1	0
1330.	01:28 11:35	0	0	0	0	1	0	1	0	1	0
				0	0	1	0	1	0	1	0
1331.	01:28 11:35	0	0	0	0	1	0	1	0	1	0
				0	0	1	0	1	0	1	0
1332.	01:28 11:35	0	0	0	0	1	0	1	0	1	0
				0	0	1	0	1	0	1	0
1333.	01:28 11:36	0	0	0	0	1	0	1	0	1	0
				0	0	1	0	1	0	1	0
1334.	01:28 11:36	0	0	0	0	1	0	1	0	1	0
				0	0	1	0	1	0	1	0
1335.	01:28 11:36	0	0	0	0	1	0	1	0	1	0
				0	0	1	0	1	0	1	0
				0	0	1	0	1	0	1	0

CRUISE

= SLATS IN TRANSIT

SLATS IN "TAKEOFF" POSITION

QUALITY CONTROL CHECK

0040

69

09-NOV-79 WESTERN AIRLINES DC-10 AT MEXICO CITY, 31-OCT-79

TRIP DATE LEG

S FRAME	LAPSE	GMT	FLAG3	FLAG4	FLAG5	FLAG6	SL4L01	SL4L02	SL2L11	SL2L12	SL4R01	SL4R02
1336.	01:29	11:36	0	0	0	0	0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1337.	01:29	11:36	0	0	0	0	0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1338.	01:29	11:36	0	0	0	0	0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1339.	01:29	11:36	0	0	0	0	0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1340.	01:29	11:36	0	0	0	0	0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1341.	01:29	11:36	0	0	0	0	0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1342.	01:29	11:36	0	0	0	0	0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1343.	01:29	11:36	0	0	0	0	0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1344.	01:29	11:36	0	0	0	0	0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1345.	01:29	11:36	0	0	0	0	0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1346.	01:29	11:36	0	0	0	0	0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1347.	01:29	11:36	0	0	0	0	0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1348.	01:29	11:37	0	0	0	0	0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1349.	01:29	11:37	0	0	0	0	0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1350.	01:29	11:37	0	0	0	0	0	1	0	1	0	1
					0	0	0	1	0	1	0	1

"TAKEOFF" POSITION

0041

QUALITY CONTROL CHECK

18

TRIP	DATE	LEG											
S	FRAME	LAPSE	GMT	FLAG3	FLAG4	FLAG5	FLAG6	SL4LO1	SL4LO2	SL2LI1	SL2LI2	SL4RO1	SL4RO2
	1351.	01:30	11:37	0	0			0	1	0	1	0	1
						0	0	0	1	0	1	0	1
								0	1	0	1	0	1
	1352.	01:30	11:37	0	0	0	0	0	1	0	1	0	1
						0	0	0	1	0	1	0	1
								0	1	0	1	0	1
	1353.	01:30	11:37	0	0	0	0	0	1	0	1	0	1
						0	0	0	1	0	1	0	1
								0	1	0	1	0	1
	1354.	01:30	11:37	0	0	0	0	0	1	0	1	0	1
						0	0	0	1	0	1	0	1
								0	1	0	1	0	1
	1355.	01:30	11:37	0	0	0	0	0	1	0	1	0	1
						0	0	0	1	0	1	0	1
								0	1	0	1	0	1
	1356.	01:30	11:37	0	0	0	0	0	1	0	1	0	1
						0	0	0	1	0	1	0	1
								0	1	0	1	0	1
	1357.	01:30	11:37	0	0	0	0	0	1	0	1	0	1
						0	0	0	1	0	1	0	1
								0	1	0	1	0	1
	1358.	01:30	11:37	0	0	0	0	0	1	0	1	0	1
						0	0	0	1	0	1	0	1
								0	1	0	1	0	1
	1359.	01:30	11:37	0	0	0	0	0	1	0	1	0	1
						0	0	0	1	0	1	0	1
								0	1	0	1	0	1
	1360.	01:30	11:37	0	0	0	0	0	1	0	1	0	1
						0	0	0	1	0	1	0	1
								0	1	0	1	0	1
	1361.	01:30	11:37	0	0	0	0	0	1	0	1	0	1
						0	0	0	1	0	1	0	1
								0	1	0	1	0	1
	1362.	01:30	11:37	0	0	0	0	0	1	0	1	0	1
						0	0	0	1	0	1	0	1
								0	1	0	1	0	1
	1363.	01:30	11:38	0	0	0	0	0	1	0	1	0	1
						0	0	0	1	0	1	0	1
								0	1	0	1	0	1
	1364.	01:30	11:38	0	0	0	0	0	1	0	1	0	1
						0	0	0	1	0	1	0	1
								0	1	0	1	0	1
	1365.	01:30	11:38	0	0	0	0	0	1	0	1	0	1
						0	0	0	1	0	1	0	1
								0	1	0	1	0	1

0042

QUALITY CONTROL CHECK

67

TRIP DATE LEG

S.FRAME	LAPSE	GMT	FLAG3	FLAG4	FLAG5	FLAG6	SL4LO1	SL4LO2	SL2LI1	SL2LI2	SL4RO1	SL4RO2
1366.	01:31	11:18	0	0			0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1367.	01:31	11:39	0	0			0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1368.	01:31	11:38	0	0			0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1369.	01:31	11:38	0	0			0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1370.	01:31	11:38	0	0			0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1371.	01:31	11:38	0	0			0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1372.	01:31	11:38	0	0			0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1373.	01:31	11:38	0	0			0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1374.	01:31	11:38	0	0			0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1375.	01:31	11:38	0	0			0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1376.	01:31	11:38	0	0			0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1377.	01:31	11:38	0	0			0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1378.	01:31	11:39	0	0			0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1379.	01:31	11:39	0	0			0	1	0	1	0	1
					0	0	0	1	0	1	0	1
1380.	01:31	11:39	0	0			0	1	0	1	0	1
					0	0	0	1	0	1	0	1

0013

QUALITY CONTROL CHECK

66

TRIP DATE BEG

S	FRAME	LAPSE	GMT	FLAG3	FLAG4	FLAG5	FLAG6	SL4L01	SL4L02	SL2L11	SL2L12	SL4R01	SL4R02
	1381.	01:32	11:39	0	0			0	1	0	1	0	1
						0	0	0	1	0	1	0	1
								0	1	0	1	0	1
	1382.	01:32	11:39	0	0	0	0	0	1	0	1	0	1
								0	1	0	1	0	1
						0	0	0	1	0	1	0	1
								0	1	0	1	0	1
	1383.	01:32	11:39	0	0	0	0	0	1	0	1	0	1
								0	1	0	1	0	1
						0	0	0	1	1	1	0	1
								1	1	1	1	1	1
	1384.	01:32	11:39	0	0	0	0	1	1	1	1	1	1
								1	1	1	1	1	1
						0	0	1	1	1	1	1	1
								1	1	1	1	1	1
	1385.	01:32	11:39	0	0	0	0	1	1	1	1	1	1
								1	1	1	1	1	1
						0	0	1	1	1	1	1	1
								1	1	1	1	1	1
	1386.	01:32	11:39	0	0	0	0	1	1	1	1	1	1
								1	1	1	1	1	1
						0	0	1	1	1	1	1	1
								1	1	1	1	1	1
	1387.	01:32	11:39	0	0	0	0	1	1	1	1	1	1
								1	1	1	1	1	1
						0	0	1	1	1	1	1	1
								1	1	1	1	1	1
	1388.	01:32	11:39	0	0	0	0	1	1	1	1	1	1
								1	1	1	1	1	1
						0	0	1	1	1	1	1	1
								1	1	1	1	1	1
	1389.	01:32	11:39	0	0	0	0	1	1	1	1	1	1
								1	1	1	1	1	1
						0	0	1	1	1	1	1	1
								1	1	1	1	1	1
	1390.	01:32	11:39	0	0	0	0	1	1	1	1	1	1
								1	1	1	1	1	1
						0	0	1	1	1	1	1	1
								1	1	1	1	1	1
	1391.	01:32	11:39	0	0	0	0	1	1	1	1	1	1
								1	1	1	1	1	1
						0	0	1	1	1	1	1	1
								1	1	1	1	1	1
	1392.	01:32	11:39	0	0	0	0	1	1	1	1	1	1
								1	1	1	1	1	1
						0	0	1	1	1	1	1	1
								1	1	1	1	1	1
	1393.	01:32	11:40	0	0	0	0	1	1	1	1	1	1
								1	1	1	1	1	1
						0	0	1	1	1	1	1	1
								1	1	1	1	1	1
	1394.	01:32	11:40	0	0	0	0	1	1	1	1	1	1
								1	1	1	1	1	1
						0	0	1	1	1	1	1	1
								1	1	1	1	1	1
	1395.	01:32	11:40	0	0	0	0	1	1	1	1	1	1
								1	1	1	1	1	1
						0	0	1	1	1	1	1	1
								1	1	1	1	1	1
						0	0	1	1	1	1	1	1

SLATS IN LANDING CONFIGURATION

0044

QUALITY CONTROL CHECK

65

TRIP DATE LEG

S FRAME	LAPSE	GMT	FLAG3	FLAG4	FLAG5	FLAG6	SL4L01	SL4L02	SL2L11	SL2L12	SL4R01	SL4R02
1396.	01:33	11:40	0	0	0	0	1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1397.	01:33	11:40	0	0	0	0	1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1398.	01:33	11:40	0	0	0	0	1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1399.	01:33	11:40	0	0	0	0	1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1400.	01:33	11:40	0	0	0	0	1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1401.	01:33	11:40	0	0	0	0	1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1402.	01:33	11:40	0	0	0	0	1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1403.	01:33	11:40	0	0	0	0	1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1404.	01:33	11:40	0	0	0	0	1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1405.	01:33	11:40	0	0	0	0	1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1406.	01:33	11:40	0	0	0	0	1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1407.	01:33	11:40	0	0	0	0	1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1408.	01:33	11:41	0	0	0	0	1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1409.	01:33	11:41	0	0	0	0	1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1410.	01:33	11:41	0	0	0	0	1	1	1	1	1	1
					0	0	1	1	1	1	1	1

0045

QUALITY CONTROL CHECK

61

09-NOV-79 WESTERN AIRLINES DC-10 AT MEXICO CITY, 31-OCT-79

TRIP DATE LEG

S FRAME	LAPSE	GMT	FLAG3	FLAG4	FLAG5	FLAG6	SL4L01	SL4L02	SL2L11	SL2L12	SL4R01	SL4R02
1411.	01:34	11:41	0	0			1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1412.	01:34	11:41	0	0			1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1413.	01:34	11:41	0	0			1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1414.	01:34	11:41	0	0			1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1415.	01:34	:41	0	0			1	1	1	1	1	1
					0	0	1	1	1	1	1	1
1416.	01:34	20:46	0	0			1	0	1	0	1	0
					1	1	1	0	1	0	1	0
1417.	01:34	20:46	0	0			1	0	1	0	1	0
					1	1	1	0	1	0	1	0
1418.	01:34	20:46	0	0			1	0	1	0	1	0
					1	1	1	0	1	0	1	0
1419.	01:34	20:46	0	0			1	0	1	0	1	0
					1	1	1	0	1	0	1	0
1420.	01:34	20:46	0	0			1	0	1	0	1	0
					1	1	1	0	1	0	1	0
1421.	01:34	20:46	0	0			1	0	1	0	1	0
					1	1	1	0	1	0	1	0
1422.	01:34	20:46	0	0			1	0	1	0	1	0
					1	1	1	0	1	0	1	0
1423.	01:34	20:46	0	0			1	0	1	0	1	0
					1	1	1	0	1	0	1	0
1424.	01:34	20:46	0	0			1	0	1	0	1	0
					1	1	1	0	1	0	1	0
1425.	01:34	20:47	0	0			1	0	1	0	1	0
					1	1	1	0	1	0	1	0

25 HOUR OLD DATA

0046

QUALITY CONTROL CHECK

63

09-[illegible]-79 [illegible] AIRLINES DC-10 AT APALCO CITY, 31-OCT-79

Table DATA LOG

TIME	ELAPSED	GMT	ALTC	RALTF	ALT	MSL	IAS	HEAD	PITCH	ROLL	N1ENG1	N1ENG2	N1ENG3	TAT	STAB	FLAPH3
1411.	01:34	11:41:12	4090.	2990.0	7082.	7341.	131.50	241.52	9.492	9.84	98.26				5.942	53.087
				2992.0	7088.	7347.	135.75	241.52	8.086	9.84		105.88		10.000		
				2995.0	7091.	7350.	137.75	241.87	7.031	8.79			103.59		5.942	53.438
1412.	01:34	11:41:14	4090.	2998.0	7092.	7351.	140.50	243.28	6.080	8.44				10.000		
				2993.0	7089.	7348.	143.25	245.04	7.383	9.14	101.57				6.025	53.438
				2985.0	7085.	7344.	145.75	247.50	8.437	12.30		99.23		9.500		
				2987.0	7083.	7342.	147.75	250.31	9.492	16.52			90.73		6.025	53.438
1413.	01:34	11:41:15	4090.	2989.0	7085.	7344.	149.00	252.42	10.195	18.98				10.000		
				3006.0	7102.	7361.	150.00	254.53	10.547	20.74	79.51				6.025	53.438
				3025.0	7121.	7380.	150.50	256.99	10.195	22.85		74.18		10.500		
1414.	01:34	11:41:16	4090.	3040.0	7136.	7395.	150.25	259.45	9.141	24.96			60.47		6.025	53.438
				3057.0	7153.	7412.	149.25	262.27	7.734	27.77				11.000		
				3063.0	7159.	7418.	148.00	265.08	6.328	30.23	70.17				6.025	53.438
				3066.0	7164.	7423.	146.75	268.59	4.922	33.05		81.01		11.000		
				3074.0	7170.	7429.	146.50	272.81	3.867	35.86			95.51		6.025	53.438
1415.	01:34	11:41:17	4090.	3075.0	7171.	7430.	148.75	276.68	2.461	38.67				11.500		
				3063.0	7159.	7416.	150.25	280.90	0.352	40.78	77.34				6.107	53.438
				3036.0	7132.	7391.	149.75	284.41	~~[illegible]~~	35.16		~~0.12~~		~~-0.506~~		
				[illegible]	[illegible]	[illegible]	0.00	0.00	0.000	0.00			0.00		0.000	0.000
				2146.0	6242.	6501.	281.75	238.36	2.109	0.35				-19.000		
1416.	01:34	20:46	32700.	2146.0	30818.	31077.	281.75	238.36	2.109	0.35	98.85				-0.165	0.001
				2146.0	30813.	31077.	281.75	238.36	2.109	0.35		97.97		-19.000		
				2146.0	30820.	31079.	281.75	238.36	2.109	0.35			98.55		-0.165	0.001
				2147.0	30819.	31078.	281.75	238.36	2.109	0.35				-19.000		
1417.	01:34	20:46	32700.	2146.0	30818.	31077.	281.75	238.36	2.109	0.35	99.26				-0.165	0.001
				2146.0	30820.	31079.	281.75	238.36	2.109	0.35		99.20		-18.500		
				2146.0	30818.	31077.	281.75	238.36	2.109	0.35			98.76		-0.165	0.001
				2146.0	30820.	31079.	281.75	238.36	2.109	0.35				-19.000		
1418.	01:34	20:46	32700.	2146.0	30820.	31079.	282.00	238.36	2.109	0.35	99.43				-0.165	0.001
				2149.0	30821.	31080.	282.00	238.71	2.109	0.35		98.41		-19.000		
				2147.0	30819.	31078.	282.00	238.36	2.109	0.35			98.91		-0.165	0.001
				2149.0	30821.	31080.	282.25	238.36	2.109	0.35				-19.000		
1419.	01:34	20:46	32700.	2150.0	30822.	31081.	282.25	238.36	2.109	0.35	99.49				-0.165	0.001
				2146.0	30820.	31079.	282.25	238.71	2.109	0.35		98.44		-19.000		
				2151.0	30823.	31082.	282.50	238.71	2.109	0.35			98.85		-0.165	0.001
				2151.0	30823.	31082.	282.50	238.71	2.109	0.35				-19.000		
1420.	01:34	20:46	32700.	2149.0	30821.	31080.	282.50	238.71	2.109	0.35	99.46				-0.165	0.001
				2151.0	30823.	31082.	282.50	238.71	2.109	0.35		98.41		-18.500		
				2150.0	30822.	31081.	282.25	238.71	2.109	0.35			98.88		-0.083	0.001
				2148.0	30820.	31079.	282.25	238.71	2.109	0.35				-19.000		
1421.	01:34	20:46	32700.	2147.0	30819.	31078.	282.25	238.71	2.109	0.35	99.52				-0.165	0.001
				2148.0	30820.	31079.	282.25	238.71	2.109	0.35		98.44		-19.000		
				2146.0	30818.	31077.	282.25	238.71	2.461	0.35			98.79		-0.165	0.001
				2145.0	30817.	31076.	282.25	238.71	2.109	0.35				-19.000		
1422.	01:34	20:46	32700.	2147.0	30819.	31078.	282.25	238.71	2.109	0.00	99.52				-0.165	0.001
				2148.0	30820.	31079.	282.25	238.71	2.109	0.00		98.41		-19.000		
				2150.0	30822.	31081.	282.50	238.71	2.109	-0.35			98.82		-0.165	0.001
				2148.0	30820.	31079.	282.50	238.71	2.109	-0.35				-19.000		
1423.	01:34	20:46	32700.	2148.0	30820.	31079.	282.50	238.71	2.109	0.00	99.52				-0.165	0.001
				2150.0	30822.	31081.	282.50	238.71	2.109	0.00		98.41		-18.500		
				2151.0	30823.	31082.	282.50	238.71	2.109	0.00			98.85		-0.165	0.001
				2152.0	30824.	31083.	282.75	238.71	2.109	0.00				-18.500		
1424.	01:34	20:46	32700.	2152.0	30824.	31083.	282.75	238.71	2.109	0.00	99.46				-0.165	0.001
				2152.0	30824.	31083.	283.00	238.36	2.109	0.00		98.41		-18.500		
				2153.0	30825.	31084.	283.00	238.36	2.109	0.00			98.85		-0.165	0.001
				2152.0	30824.	31083.	282.75	238.36	2.109	0.00				-18.500		
1425.	01:34	20:47	32700.	2146.0	30820.	31079.	282.75	238.36	2.109	0.00	99.49				-0.165	0.001
				2152.0	30824.	31083.	282.75	238.36	2.109	0.00		98.47		-18.500		
				2153.0	30825.	31084.	282.75	238.36	2.109	0.00			98.82		-0.165	0.001
				2153.0	30825.	31084.	282.75	238.36	2.109	0.00				-18.500		

IF NOT CROSSED OUT, DATA MAY BE USED

DATA C.O. 25/26

MM KNOTS

0042

QUALITY CONTROL CHECK

TRIP DATE LEG

S	FRAME	ELAPSE	GMT	ALTC	ALTF	ALI	MSL	IAS	HEAD	PITCH	ROLL	N1ENG1	N1ENG2	N1ENG3	TAT	STAB	FLAPR3
	1396.	01:33	11:40:12	4096.	3624.0	7720.	7979.	137.75	242.58	5.625	1.76	88.01				4.952	38.321
					3613.0	7709.	7968.	138.50	242.58	5.977	1.76		91.87		14.000		
					3604.0	7700.	7959.	139.50	242.93	5.977	1.05			86.07		4.952	38.321
					3598.0	7694.	7953.	140.50	242.58	5.273	-1.05				14.500		
	1397.	01:33	11:40:16	4096.	3591.0	7687.	7946.	141.00	242.23	4.570	-2.46	84.35				4.952	38.321
					3584.0	7680.	7939.	141.75	241.87	4.219	-3.87		86.04		14.500		
					3571.0	7667.	7926.	141.75	241.17	4.570	-5.63			78.31		4.952	38.321
					3558.0	7654.	7913.	141.75	240.12	5.273	-6.33				14.500		
	1398.	01:33	11:40:20	4095.	3550.0	7646.	7905.	142.00	239.41	5.625	-7.38	76.20				4.952	38.321
					3547.0	7643.	7902.	142.00	238.36	5.273	-7.73		79.22		14.500		
					3542.0	7638.	7897.	141.75	237.30	5.273	-7.73			73.74		4.952	38.321
					3537.0	7633.	7892.	141.25	236.25	4.922	-7.73				14.500		
	1399.	01:33	11:40:24	4096.	3531.0	7627.	7886.	140.75	235.20	4.570	-7.38	75.44				4.952	38.321
					3523.0	7619.	7878.	140.50	234.14	4.922	-7.36		79.22		14.500		
					3515.0	7611.	7870.	140.00	233.09	4.922	-7.38			73.92		4.952	38.321
					3509.0	7605.	7864.	140.00	232.03	4.922	-5.63				14.500		
	1400.	01:33	11:40:28	4095.	3503.0	7599.	7858.	139.75	231.68	4.219	-2.46	75.59				4.952	38.321
					3493.0	7589.	7848.	139.50	231.33	3.867	-0.35		79.25		14.500		
					3482.0	7578.	7837.	139.25	230.98	3.867	-0.35			73.89		5.034	38.321
					3471.0	7567.	7826.	139.00	230.98	3.516	-0.35				14.500		
	1401.	01:33	11:40:32	4095.	3460.0	7556.	7815.	139.25	230.98	3.164	-0.35	75.64				4.952	38.321
					3450.0	7546.	7805.	139.50	231.33	2.812	0.35		79.19		14.000		
					3439.0	7535.	7794.	140.00	231.33	2.812	3.16			73.45		4.952	38.321
					3424.0	7520.	7779.	140.50	231.68	2.461	4.22				14.000		
	1402.	01:33	11:40:36	4096.	3405.0	7501.	7760.	141.25	232.03	2.461	4.22	71.19				4.952	38.321
					3388.0	7484.	7743.	141.50	232.73	2.812	3.16		72.71		14.000		
					3372.0	7468.	7727.	142.25	233.09	2.461	1.41			64.57		5.034	38.321
					3360.0	7456.	7715.	142.75	233.09	1.758	0.70				14.000		
	1403.	01:33	11:40:40	4096.	3346.0	7442.	7701.	142.75	233.09	1.758	0.00	60.12				4.952	38.321
					3326.0	7422.	7681.	142.00	233.09	2.109	-0.35		60.15		14.500		
					3305.0	7401.	7660.	142.00	232.73	2.461	-0.35			51.30		4.952	38.321
					3286.0	7382.	7641.	142.00	232.38	3.164	-0.35				14.000		
	1404.	01:33	11:40:44	4095.	3267.0	7363.	7622.	141.25	232.03	3.867	-0.35	51.97				5.034	38.321
					3252.0	7348.	7607.	141.25	231.68	4.219	0.70		55.90		13.500		
					3239.0	7335.	7594.	140.75	231.68	4.570	2.46			52.27		5.447	38.321
					3223.0	7319.	7578.	140.00	231.68	4.922	2.81				13.500		
	1405.	01:33	11:40:48	4095.	3208.0	7304.	7563.	139.25	232.03	4.922	3.52	62.87				5.694	38.321
					3196.0	7292.	7551.	138.75	232.73	4.922	4.57		69.70		13.000		
					3184.0	7280.	7539.	138.00	233.44	4.922	4.57			67.38		5.694	38.321
					3174.0	7270.	7529.	137.75	234.14	4.570	4.92				11.500		
	1406.	01:33	11:40:52	4095.	3164.0	7260.	7519.	137.75	234.84	4.219	4.92	72.42				5.694	38.321
					3154.0	7250.	7509.	137.50	235.20	3.867	5.27		76.44		11.000		
					3141.0	7237.	7496.	137.25	235.90	3.867	4.92			71.60		5.694	38.321
					3126.0	7222.	7481.	136.75	236.60	3.867	4.22				10.500		
	1407.	01:33	11:40:56	4096.	3114.0	7210.	7469.	136.75	236.95	3.867	3.87	73.80				5.694	38.321
					3102.0	7198.	7457.	137.00	237.30	3.867	3.16		76.73		10.500		
					3086.0	7182.	7441.	137.50	237.66	3.867	1.76			71.69		5.694	38.321
					3072.0	7168.	7427.	137.50	238.01	3.516	0.70				10.000		
	1408.	01:33	11:41:00	4096.	3055.0	7151.	7410.	137.50	238.01	3.164	-0.35	73.39				5.694	38.321
					3035.0	7131.	7390.	137.50	238.01	2.812	-0.35		74.12		10.000		
					3012.0	7108.	7367.	137.25	237.66	2.461	-1.05			62.34		5.694	38.321
					2976.0	7072.	7331.	136.25	237.30	0.000	-0.35				10.000		
	1409.	01:33	11:41:04	4095.	2932.0	7028.	7287.	134.00	236.60	3.516	-0.35	56.13				5.859	38.673
					2974.0	7075.	7334.	133.50	235.55	9.141	-0.35		66.36		10.000		
					2985.0	7041.	7300.	129.00	235.55	11.602	1.05			83.03		5.942	47.462
					2952.0	7048.	7307.	127.75	236.25	10.547	3.16				9.500		
	1410.	01:33	11:41:08	4095.	2986.0	7082.	7341.	130.00	237.30	8.086	4.22	78.28				5.942	53.087
					3006.0	7102.	7361.	131.50	238.01	8.086	3.87		71.02		10.000		
					3000.0	7096.	7355.	131.00	239.41	9.844	5.98			76.11		5.942	53.087
					2987.0	7083.	7342.	130.25	240.82	10.898	8.44				10.000		

Max longitudinal G
Max lateral G
Max vertical G

0048

QUALITY CONTROL CHECK

S FRAME	ELAPSE	GMT	ALTC	ALTP	ALI	FSL	IAS	HEAD	PITCH	ROLL	N1ENG1	N1ENG2	N1ENG3	TAT	STAB	FLAPRS
1361.	01:32	11:39:11	8192.	401.0	8653.	8912.	158.25	245.04	2.461	-2.11	52.70				4.209	24.962
				441.0	8633.	8892.	158.00	244.69	2.109	-1.76		60.20		15.000		
				422.0	8614.	8873.	157.75	244.34	1.406	-1.41			60.20		4.209	24.962
1362.	01:32	11:39:14	8192.	403.0	8595.	8854.	157.50	243.98	1.406	-0.70				15.500		
				377.0	8569.	8828.	157.50	243.98	1.758	-0.35	65.24				4.209	24.962
				354.0	8546.	8805.	157.75	243.98	2.461	-0.35		66.80		15.000		
1363.	01:32	11:39:20	8192.	334.0	8526.	8785.	158.00	243.98	2.461	-0.35			61.79		4.209	24.962
				316.0	8510.	8769.	158.25	243.98	1.758	0.00				15.000		
				298.0	8490.	8749.	158.50	244.34	1.055	0.35	64.25				4.126	25.313
				276.0	8468.	8727.	158.50	244.34	0.703	1.05		65.04		15.500		
				250.0	8442.	8701.	158.75	244.34	0.703	1.41			57.16		4.126	28.126
1364.	01:32	11:39:27	8192.	223.0	8415.	8674.	158.50	244.69	0.703	1.76				15.000		
				197.0	8389.	8648.	158.50	244.69	0.703	1.41	56.66				4.126	30.938
				174.0	8366.	8625.	158.25	244.69	0.352	1.05		57.48		15.000		
				152.0	8344.	8603.	158.25	245.04	1.055	0.70			52.70		4.126	33.751
1365.	01:32	11:39:31	8192.	126.0	8318.	8577.	157.75	245.04	2.461	0.00				15.500		
				105.0	8297.	8556.	157.50	244.69	3.164	-0.35	61.44				4.126	36.212
				91.0	8243.	8542.	157.00	244.69	3.164	-0.70		69.11		15.500		
				63.0	8275.	8534.	156.75	244.34	2.461	-0.35			68.61		4.126	38.321
1366.	01:32	11:39:32	8192.	65.0	8261.	8520.	156.25	243.98	2.109	-0.35				15.500		
				52.0	8244.	8503.	155.50	243.63	2.109	-0.35	74.33				4.126	38.321
				35.0	8227.	8486.	155.00	243.63	2.812	0.00		77.64		15.000		
				21.0	8213.	8472.	154.25	243.63	3.516	0.00			72.28		4.126	38.673
1367.	01:32	11:39:36	8192.	12.0	8204.	8463.	154.00	243.28	3.516	-0.35				15.500		
				6.0	8200.	8459.	154.00	243.28	3.867	-0.70	73.01				4.126	38.673
				2.0	8194.	8453.	153.75	242.93	4.219	-4.92		74.62		15.500		
				4090.0	8186.	8445.	152.75	242.23	3.867	-8.79			66.83		4.126	38.673
1368.	01:32	11:39:40	4096.	4085.0	8181.	8440.	152.00	241.17	3.516	-9.84				15.000		
				4080.0	8176.	8435.	151.25	240.12	3.516	-10.55	65.83				4.126	38.673
				4069.0	8165.	8424.	150.00	238.71	3.867	-11.60		66.47		15.500		
				4061.0	8157.	8416.	149.00	236.95	4.219	-11.95			58.59		4.126	38.673
1369.	01:32	11:39:44	4096.	4057.0	8153.	8412.	148.00	235.55	3.516	-10.90				15.500		
				4052.0	8148.	8407.	147.25	234.49	2.461	-7.03	56.81				4.126	38.321
				4043.0	8139.	8398.	146.00	233.79	2.461	-4.92		56.25		15.500		
				4029.0	8125.	8384.	144.75	233.09	2.812	-4.57			49.92		4.126	38.321
1390.	01:32	11:39:48	4096.	4014.0	8110.	8369.	143.75	232.73	3.516	-2.11				15.000		
				4005.0	8101.	8360.	143.50	232.73	3.164	-0.35	51.39				4.126	38.321
				3995.0	8091.	8350.	143.00	232.38	2.461	0.70		52.38		15.000		
				3985.0	8081.	8340.	142.50	232.73	2.109	1.41			48.90		4.126	38.321
1391.	01:32	11:39:52	4096.	3971.0	8067.	8326.	142.00	233.09	1.758	2.81				15.000		
				3953.0	8049.	8308.	141.50	233.79	2.109	4.22	51.80				4.126	38.321
				3930.0	8032.	8291.	141.50	234.14	2.461	4.57		52.68		15.000		
				3918.0	8014.	8273.	141.25	234.84	2.461	4.22			49.34		4.126	38.321
1392.	01:32	11:39:56	4096.	3902.0	7998.	8257.	141.25	235.20	2.109	3.16				15.000		
				3885.0	7981.	8240.	141.00	235.55	1.758	1.41	51.88				4.126	38.321
				3866.0	7964.	8223.	141.00	235.90	1.758	0.70		51.59		15.000		
				3848.0	7944.	8203.	141.25	235.90	1.406	1.41			44.71		4.126	38.321
1393.	01:32	11:40:00	4096.	3828.0	7924.	8183.	141.50	236.25	1.406	3.87				15.000		
				3803.0	7899.	8158.	141.00	236.60	2.109	4.92	38.61				4.126	38.321
				3779.0	7875.	8134.	140.25	237.30	2.812	4.92		38.32		14.500		
				3757.0	7853.	8112.	139.50	236.01	3.516	4.22			35.30		4.126	38.321
1394.	01:32	11:40:04	4096.	3741.0	7837.	8096.	139.00	238.71	3.867	3.52				14.500		
				3726.0	7822.	8081.	138.75	239.41	3.867	3.16	38.67				4.457	38.321
				3711.0	7807.	8066.	138.00	239.77	4.219	3.52		45.85		14.500		
				3695.0	7791.	8050.	137.25	240.47	4.570	3.87			53.38		4.952	38.321
1395.	01:32	11:40:07	4096.	3661.0	7777.	8036.	136.75	240.82	5.273	4.22				14.000		
				3660.0	7762.	8021.	136.25	241.52	5.273	4.57	73.68				4.952	38.321
				3657.0	7753.	8012.	136.25	241.87	4.922	4.22		86.31		14.000		
				3650.0	7746.	8005.	137.00	242.23	4.922	3.16			85.28		4.952	38.321
				3637.0	7733.	7992.	137.50	242.58	5.273	1.76				14.000		

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QUALITY CONTROL CHECK

TRIP DATE LEG

FRAME	LAPSE	GAT	ALTC	ALTF	ALT	MSL	TAS	HEAD	PITCH	ROLL	N1ENG1	N1ENG2	N1ENG3	TAT	STAB	FLAPR3
1366.	01:31	11:38:12	8192.	1352.0	9544.	9803.	159.50	185.62	2.109	5.62	35.27				3.549	24.962
				1328.0	9520.	9779.	159.25	185.62	2.461	4.57		36.56		13.000		
				1304.0	9496.	9755.	159.00	185.98	2.812	3.87			34.54		3.466	24.962
1367.	01:31	11:38:16	8192.	1286.0	9478.	9737.	158.75	186.33	3.164	3.52				13.500		
				1266.0	9458.	9717.	158.00	186.68	3.516	2.81	38.94				3.549	24.962
				1249.0	9441.	9700.	158.00	186.68	3.867	2.46		43.39		13.000		
				1233.0	9425.	9683.	157.25	187.03	3.867	2.11			50.30		3.466	24.962
1368.	01:31	11:38:20	8192.	1222.0	9414.	9673.	157.25	187.38	4.219	1.76				13.500		
				1217.0	9404.	9663.	157.00	187.38	4.219	1.76	63.52				3.466	24.962
				1200.0	9392.	9651.	156.75	187.38	4.570	1.76		66.86		13.000		
				1187.0	9379.	9638.	156.75	187.73	4.922	1.41			62.49		3.549	24.962
				1177.0	9369.	9628.	156.75	187.73	5.273	1.41				13.500		
1369.	01:31	11:38:24	8192.	1169.0	9361.	9620.	156.50	188.09	5.273	1.76	66.15				3.549	24.962
				1161.0	9353.	9612.	156.50	188.09	5.625	3.16		69.43		13.500		
				1155.0	9347.	9606.	156.00	188.44	5.625	4.92			65.21		3.549	24.962
				1147.0	9337.	9598.	155.75	189.14	5.625	7.38				13.500		
1370.	01:31	11:38:28	8192.	1139.0	9331.	9590.	155.25	190.20	5.977	9.49	70.87				3.466	24.962
				1133.0	9325.	9584.	155.00	191.60	5.977	12.30		75.53		13.000		
				1127.0	9319.	9578.	154.75	193.01	6.328	15.12			71.63		3.466	24.962
				1124.0	9316.	9575.	154.75	194.77	6.328	15.82				13.500		
1371.	01:31	11:38:32	8192.	1120.0	9312.	9571.	154.75	196.87	6.680	15.82	76.29				3.549	24.962
				1119.0	9311.	9570.	154.75	198.63	6.680	15.47		79.98		13.500		
				1118.0	9310.	9569.	154.75	200.39	7.031	14.77			75.15		3.796	24.962
				1118.0	9310.	9569.	154.75	201.80	7.031	13.01				13.500		
1372.	01:31	11:38:36	8192.	1117.0	9309.	9568.	155.00	203.20	7.383	11.25	78.43				3.879	24.962
				1120.0	9312.	9571.	154.75	204.26	7.383	9.49		81.71		13.500		
				1119.0	9311.	9570.	154.75	204.96	7.383	8.09			77.05		3.879	24.962
				1121.0	9313.	9572.	154.75	205.66	7.383	6.33				13.500		
1373.	01:31	11:38:40	8192.	1121.0	9313.	9572.	154.50	206.02	7.383	5.27	79.98				3.879	24.962
				1122.0	9314.	9573.	154.25	206.37	7.031	4.57		83.67		13.500		
				1126.0	9318.	9577.	154.25	206.72	5.977	3.87			79.22		3.549	24.610
				1128.0	9320.	9579.	154.25	207.07	4.570	3.52				13.500		
1374.	01:31	11:38:44	8192.	1127.0	9319.	9578.	154.50	207.07	3.516	2.81	81.94				3.219	24.962
				1121.0	9313.	9572.	154.75	207.42	3.164	2.46		84.96		13.500		
				1111.0	9303.	9562.	155.00	207.77	2.461	2.46			79.42		3.136	24.962
				1101.0	9293.	9552.	156.25	208.12	1.758	4.92				13.000		
1375.	01:31	11:38:48	8192.	1088.0	9280.	9539.	157.25	208.83	1.406	9.14	76.05				3.136	24.962
				1064.0	9256.	9515.	158.00	209.88	1.055	13.36		75.50		14.000		
				1042.0	9234.	9493.	158.75	211.29	0.703	18.28			66.45		3.136	24.962
				1013.0	9205.	9463.	159.75	213.75	0.703	23.20				13.500		
1376.	01:31	11:38:52	8192.	985.0	9177.	9436.	160.50	216.56	0.703	25.31	57.92				3.136	24.962
				958.0	9150.	9409.	161.25	219.73	0.703	26.72		51.42		14.000		
				936.0	9128.	9387.	162.00	222.89	0.703	28.12			41.69		3.466	24.962
				911.0	9103.	9362.	162.00	225.70	0.352	28.83				14.000		
1377.	01:31	11:38:56	8192.	886.0	9078.	9337.	162.25	228.87	0.703	28.83	38.09				3.879	24.962
				858.0	9050.	9309.	162.25	231.68	1.055	28.83		38.12		14.000		
				830.0	9022.	9281.	162.25	234.49	1.055	27.07			35.60		4.291	24.962
				801.0	8993.	9252.	162.50	236.95	1.055	24.61				14.500		
1378.	01:31	11:39:00	8192.	773.0	8965.	9224.	162.50	239.41	1.055	22.15	35.89				4.374	24.962
				746.0	8938.	9197.	162.50	241.17	1.055	20.04		37.18		14.500		
				714.0	8906.	9165.	162.25	242.93	1.055	17.23			35.07		4.291	24.962
				686.0	8878.	9137.	162.25	244.34	1.055	14.41				14.500		
1379.	01:31	11:39:04	8192.	659.0	8851.	9110.	161.75	245.39	1.055	10.90	35.65				4.209	24.962
				631.0	8823.	9082.	161.25	246.09	1.055	7.03		37.03		15.000		
				604.0	8796.	9055.	161.00	246.45	1.055	4.22			34.95		4.209	24.962
				579.0	8771.	9030.	160.50	246.45	1.055	2.81				14.500		
1380.	01:31	11:39:08	8192.	554.0	8746.	9005.	160.25	246.45	1.406	1.76	35.51				4.209	24.962
				524.0	8716.	8975.	159.50	246.09	2.109	-0.35		36.86		15.000		
				501.0	8593.	8952.	159.25	245.74	2.461	-1.41			35.68		4.209	24.962
				482.0	8674.	8933.	158.75	245.39	2.461	-2.11				14.500		

0050

QUALITY CONTROL CHECK

39

TRIP DATE REG

S FRAME	LAPSE	GMT	ALTC	ALTF	ALT	MSL	IAS	HEAD	PITCH	ROLL	NIENG1	NIENG2	NIENG3	TAT	STAP	FLAPP3
1351.	01:30	11:37:12	8192.	2555.0	10747.	11006.	169.00	141.68	3.867	0.00	52.88				2.393	24.962
				2553.0	10745.	11004.	167.75	141.68	3.867	0.00		61.14		11.500		
				2550.0	10742.	11001.	167.50	141.68	3.867	0.00			62.72		2.558	24.962
1352.	01:30	11:37:16	8192.	2549.0	10741.	11000.	167.00	141.68	3.867	0.35				11.000		
				2545.0	10737.	10996.	166.75	141.68	4.219	0.00	68.82				2.558	24.962
				2540.0	10732.	10991.	166.50	141.68	4.219	0.00		71.45		11.000		
				2535.0	10728.	10987.	166.25	141.68	4.219	0.35			66.53		2.558	24.962
1353.	01:30	11:37:20	8192.	2533.0	10725.	10984.	166.00	141.68	4.570	0.35				11.500		
				2529.0	10721.	10980.	165.50	141.68	4.570	0.35	69.08				2.558	24.962
				2526.0	10718.	10977.	165.25	141.68	3.867	0.35		72.36		11.000		
				2525.0	10717.	10976.	165.00	141.68	3.164	0.35			67.73		2.641	24.962
				2520.0	10712.	10971.	164.75	142.03	2.461	0.35				11.000		
1354.	01:30	11:37:24	8192.	2509.0	10701.	10960.	164.25	142.03	2.461	0.35	71.57				2.641	24.962
				2497.0	10689.	10948.	164.00	142.03	2.109	0.35		73.89		11.000		
				2487.0	10679.	10938.	164.00	142.03	2.109	0.35			68.85		2.641	24.962
				2476.0	10668.	10927.	164.25	142.03	1.758	0.35				11.000		
1355.	01:30	11:37:28	8192.	2464.0	10656.	10915.	165.00	142.03	1.758	0.35	70.61				2.558	24.962
				2450.0	10642.	10901.	165.25	142.03	1.406	0.00		71.22		11.000		
				2434.0	10626.	10885.	165.25	142.03	1.406	0.00			61.03		2.558	24.962
				2414.0	10606.	10865.	165.50	142.03	1.406	0.35				11.500		
1356.	01:30	11:37:32	8192.	2394.0	10586.	10845.	165.25	142.03	1.055	2.11	48.46				2.558	24.962
				2373.0	10565.	10824.	164.75	142.38	1.055	4.22		42.28		11.500		
				2351.0	10543.	10802.	164.50	142.73	1.055	6.33			37.53		2.558	24.962
				2328.0	10520.	10779.	164.25	143.44	1.055	8.79				11.000		
1357.	01:30	11:37:36	8192.	2307.0	10499.	10758.	163.50	144.84	1.055	11.60	36.65				2.641	24.962
				2283.0	10475.	10734.	163.00	145.90	1.055	14.77		37.47		11.500		
				2258.0	10450.	10709.	162.50	147.66	1.055	17.23			34.98		2.641	24.962
				2233.0	10425.	10684.	162.25	149.41	1.406	19.34				11.500		
1358.	01:30	11:37:40	8192.	2209.0	10401.	10660.	162.50	151.52	1.406	19.69	35.74				3.136	24.962
				2188.0	10380.	10639.	162.25	153.63	1.406	19.34		36.97		11.500		
				2164.0	10356.	10615.	161.75	155.74	1.406	18.63			34.69		3.466	24.962
				2141.0	10333.	10592.	161.50	157.50	1.406	16.87				11.500		
1359.	01:30	11:37:44	8192.	2119.0	10311.	10570.	161.25	159.26	1.406	14.77	35.54				3.466	24.962
				2094.0	10286.	10545.	161.00	160.31	1.406	12.30		36.77		11.500		
				2071.0	10263.	10522.	160.75	161.37	1.406	10.20			34.69		3.466	24.962
				2047.0	10239.	10498.	160.25	162.07	1.406	8.79				12.000		
1360.	01:30	11:37:48	8192.	2022.0	10214.	10473.	160.25	162.77	1.406	7.38	35.45				3.466	24.962
				1997.0	10189.	10448.	159.75	163.12	1.406	5.98		36.68		12.000		
				1973.0	10165.	10424.	159.25	163.48	1.055	4.92			34.63		3.384	24.962
				1950.0	10142.	10401.	159.00	163.83	0.703	4.22				12.000		
1361.	01:30	11:37:52	8192.	1926.0	10118.	10377.	158.75	164.18	0.703	3.52	37.79				3.301	24.962
				1899.0	10091.	10350.	158.25	164.53	0.352	2.81		36.94		12.000		
				1872.0	10064.	10323.	158.25	164.88	0.352	2.46			36.71		3.301	24.962
				1847.0	10039.	10298.	158.00	165.23	0.352	2.46				12.000		
1362.	01:30	11:37:56	8192.	1819.0	10011.	10270.	158.00	165.59	0.352	3.87	42.25				3.301	24.962
				1792.0	9984.	10243.	158.00	166.29	0.000	6.33		38.41		12.000		
				1764.0	9956.	10215.	158.00	166.99	0.000	8.79			38.99		3.301	24.962
				1733.0	9925.	10184.	158.25	168.05	0.352	10.90				12.500		
1363.	01:30	11:38:00	8192.	1700.0	9892.	10151.	158.25	169.45	0.000	13.36	42.95				3.301	24.962
				1670.0	9862.	10121.	158.50	171.21	0.352	16.17		38.82		12.500		
				1639.0	9831.	10090.	158.50	173.32	0.352	18.28			38.82		3.384	24.962
				1606.0	9798.	10057.	158.50	175.43	0.352	18.28				12.500		
1364.	01:30	11:38:04	8192.	1575.0	9767.	10026.	158.50	177.54	0.352	17.58	37.70				3.466	24.962
				1546.0	9738.	9997.	158.75	179.65	0.352	16.52		37.15		12.500		
				1516.0	9708.	9967.	158.75	180.35	0.703	14.77			35.07		3.466	24.962
				1484.0	9676.	9935.	159.25	182.11	1.055	13.01				13.000		
1365.	01:30	11:38:08	8192.	1458.0	9650.	9909.	159.75	183.16	1.406	11.60	35.51				3.466	24.962
				1433.0	9625.	9884.	160.25	184.22	1.406	9.84		36.68		12.500		
				1407.0	9599.	9858.	160.00	184.57	1.758	7.73			34.63		3.466	24.962
				1377.0	9569.	9828.	160.00	185.27	1.758	6.33				13.000		

0051

QUALITY CONTROL CHECK

09-NOV-79 WESTERN AIRLINES DC-10 AT MEXICO CITY, 31-OCT-79

TRIP DATE LEG

S FRAME	LAPSE	GMT	ALTC	ALTF	ALT	MSL	IAS	HEAD	PITCH	ROLL	N1ENG1	N1ENG2	N1ENG3	TA1	STAB	FLAPR3
1336.	01:29	11:36	8192.	2530.0	10722.	10981.	221.00	135.70	4.570	-4.92	36.97				0.413	4.220
				2530.0	10722.	10981.	219.75	135.35	4.570	-4.92		38.23		15.000		
				2532.0	10724.	10983.	218.50	135.00	4.570	-4.22			36.18		0.413	4.220
				2531.0	10723.	10982.	217.50	134.65	4.570	-3.87				15.000		
1337.	01:29	11:36	8192.	2529.0	10721.	10980.	216.00	133.95	4.570	-3.52	36.80				0.413	3.868
				2528.0	10720.	10979.	214.75	133.59	4.570	-3.16		38.06		15.000		
				2528.0	10720.	10979.	213.50	133.24	4.922	-2.46			35.98		0.825	3.868
				2525.0	10717.	10976.	212.00	133.24	5.273	-1.41				14.500		
1338.	01:29	11:36	8192.	2525.0	10717.	10976.	211.00	132.89	4.922	-0.70	36.65				0.825	3.868
				2526.0	10718.	10977.	210.75	132.89	5.273	-0.35		37.85		14.500		
				2524.0	10716.	10975.	209.00	132.54	5.273	-0.35			35.77		0.825	3.868
				2522.0	10714.	10973.	208.00	132.54	5.273	-0.35				14.000		
1339.	01:29	11:36	8192.	2522.0	10714.	10973.	206.75	132.54	5.273	-0.35	36.45				0.825	3.868
				2522.0	10714.	10973.	206.00	132.54	5.273	-0.35		37.70		14.000		
				2521.0	10713.	10972.	205.00	132.54	5.273	-0.35			35.62		0.825	3.868
				2520.0	10712.	10971.	204.00	132.54	5.625	-0.35				14.000		
1340.	01:29	11:36	8192.	2520.0	10712.	10971.	203.00	132.54	5.625	-0.35	36.33				0.990	6.329
				2517.0	10709.	10968.	202.00	132.19	5.977	-0.35		37.62		13.500		
				2515.0	10707.	10966.	201.25	132.54	5.625	-0.35			35.48		1.155	10.899
				2516.0	10708.	10967.	200.25	132.54	5.273	-0.35				14.000		
1341.	01:29	11:36	8192.	2521.0	10713.	10972.	199.00	132.89	5.273	0.00	36.18				1.238	14.415
				2522.0	10714.	10973.	197.75	132.89	4.922	0.35		37.47		14.000		
				2524.0	10716.	10975.	196.00	132.89	4.922	0.35			35.36		1.238	17.931
				2526.0	10718.	10977.	194.00	132.89	4.922	0.35				14.000		
1342.	01:29	11:36	8192.	2528.0	10720.	10979.	192.00	132.89	4.922	0.35	39.90				1.568	20.743
				2531.0	10723.	10982.	190.00	132.54	4.922	0.35		47.72		13.000		
				2539.0	10731.	10990.	188.75	132.54	4.570	0.35			59.65		1.486	23.204
				2550.0	10742.	11001.	187.50	132.54	4.219	0.00				13.000		
1343.	01:29	11:36	8192.	2560.0	10752.	11011.	186.75	132.54	3.867	-0.35	75.67				1.568	24.962
				2566.0	10758.	11017.	186.00	132.54	3.867	-0.35		81.36		12.500		
				2573.0	10765.	11024.	185.75	132.89	3.516	-0.35			78.16		1.486	24.962
				2579.0	10771.	11030.	185.75	132.89	3.516	-0.35				12.500		
1344.	01:29	11:36	8192.	2586.0	10778.	11037.	185.50	132.89	3.516	-0.35	80.74				1.568	24.962
				2592.0	10784.	11044.	185.50	132.89	3.516	0.35		83.55		13.000		
				2596.0	10788.	11047.	185.25	133.24	3.164	1.05			78.60		1.568	24.962
				2601.0	10793.	11052.	184.75	133.24	3.164	3.52				13.000		
1345.	01:29	11:36	8192.	2604.0	10796.	11055.	184.50	133.59	3.164	5.98	80.62				1.568	24.962
				2606.0	10798.	11057.	183.75	133.95	3.164	8.44		83.88		13.000		
				2608.0	10800.	11059.	183.50	134.65	3.164	9.49			79.72		1.568	24.962
				2609.0	10801.	11060.	183.75	135.35	3.164	9.49				12.500		
1346.	01:29	11:36	8192.	2608.0	10800.	11059.	184.00	136.05	3.164	9.14	82.00				1.568	24.962
				2609.0	10801.	11060.	184.50	137.11	3.164	8.79		84.49		12.500		
				2610.0	10802.	11061.	184.50	137.81	3.164	8.44			78.37		1.568	24.962
				2610.0	10802.	11061.	184.50	138.52	2.812	7.73				13.000		
1347.	01:29	11:36	8192.	2608.0	10800.	11059.	184.25	139.22	2.812	6.68	75.35				1.568	24.962
				2607.0	10799.	11058.	184.00	139.57	2.812	5.62		75.26		13.000		
				2605.0	10797.	11056.	183.50	139.92	2.812	4.57			67.44		1.568	24.962
				2603.0	10795.	11054.	183.25	140.27	2.812	3.87				13.000		
1348.	01:29	11:37:00	8192.	2601.0	10793.	11052.	182.75	140.62	2.812	3.16	62.14				1.568	24.962
				2597.0	10789.	11048.	181.75	140.96	2.812	2.81		58.24		13.000		
				2594.0	10786.	11045.	180.50	140.98	2.812	2.46			48.22		1.568	24.962
				2589.0	10781.	11040.	179.00	140.98	3.164	1.76				12.500		
1349.	01:29	11:37:04	8192.	2584.0	10776.	11035.	177.75	140.98	3.164	1.41	45.41				1.568	24.962
				2582.0	10774.	11033.	176.75	140.98	3.164	0.70		45.23		12.000		
				2579.0	10771.	11030.	175.50	141.33	3.164	0.35			41.75		2.063	24.962
				2575.0	10767.	11026.	174.50	141.33	3.164	0.35				11.500		
1350.	01:29	11:37:08	8192.	2574.0	10766.	11025.	173.50	141.68	3.164	0.35	41.87				2.146	24.962
				2569.0	10761.	11020.	172.50	141.68	3.516	0.70		40.78		11.500		
				2563.0	10755.	11014.	171.25	141.68	3.516	0.35			39.23		2.146	24.962
				2559.0	10751.	11010.	170.00	141.68	3.516	0.35				11.500		

0052

QUALITY CONTROL CHECK

TRIP DATE LEG

#	FRAME	LAPSE	GMT	ALTC	ALTF	ALT	MSL	IAS	HEAD	PITCH	ROLL	N1ENG1	N1ENG2	N1ENG3	TAT	STAB	FLAPF3
1321.		01:28	11:35	8192.	2512.0	10704.	10963.	281.00	138.87	2.109	1.05	38.64				0.000	0.001
					2511.0	10703.	10962.	279.75	138.87	2.109	0.70		39.96		20.500		
					2512.0	10704.	10963.	278.50	138.87	2.461	0.35			38.06		0.083	0.001
1322.		01:28	11:35	8192.	2511.0	10703.	10962.	277.75	138.87	2.461	0.00				20.500		
					2510.0	10702.	10961.	276.25	138.87	2.461	0.00	38.50				0.083	0.001
					2512.0	10704.	10963.	275.50	138.87	2.461	-0.35		39.84		20.000		
					2511.0	10703.	10962.	274.00	138.87	2.461	-0.35			37.88		0.083	0.001
1323.		01:28	11:35	8192.	2512.0	10704.	10963.	273.00	138.87	2.461	-0.35				19.500		
					2511.0	10703.	10962.	272.25	138.87	2.461	-0.35	38.35				0.083	0.001
					2512.0	10704.	10963.	271.00	138.87	2.461	-0.35		39.73		19.500		
					2509.0	10701.	10960.	269.25	138.87	2.812	-0.35			37.70		0.083	0.001
1324.		01:28	11:35	8192.	2510.0	10702.	10961.	268.00	138.87	2.812	-0.35				19.000		
					2512.0	10704.	10963.	266.75	138.87	2.812	-0.35	38.17				0.083	0.001
					2512.0	10704.	10963.	266.00	138.52	2.812	-0.35		39.58		19.000		
					2513.0	10705.	10964.	265.50	138.52	2.812	-0.35			37.56		0.083	0.001
1325.		01:28	11:35	8192.	2513.0	10705.	10964.	264.25	138.52	2.812	-0.35				19.000		
					2512.0	10704.	10963.	263.00	138.52	2.812	-0.35	38.06				0.083	0.001
					2514.0	10706.	10965.	262.00	138.52	2.812	-0.35		39.43		19.000		
					2514.0	10706.	10965.	261.25	138.52	2.812	-0.35			37.47		0.083	0.001
1326.		01:28	11:35	8192.	2513.0	10705.	10964.	260.25	138.52	3.164	-0.35				18.500		
					2513.0	10705.	10964.	259.25	138.52	3.164	-0.35	37.97				0.083	0.001
					2515.0	10707.	10966.	259.00	138.52	3.164	-0.35		39.35		18.500		
					2516.0	10708.	10967.	258.25	138.52	3.164	-0.35			37.32		0.083	0.001
1327.		01:28	11:35	8192.	2518.0	10710.	10969.	257.00	138.52	3.164	0.00				18.500		
					2518.0	10710.	10969.	256.50	138.52	3.164	0.35	37.82				0.083	0.001
					2518.0	10710.	10969.	256.00	138.52	3.164	0.35		39.26		18.500		
					2518.0	10710.	10969.	254.50	138.52	3.164	0.00			37.21		0.083	4.973
1328.		01:28	11:35	8192.	2517.0	10709.	10968.	252.75	138.52	3.164	0.00				16.000		
					2520.0	10712.	10971.	251.50	138.52	2.812	0.00	37.70				0.083	4.220
					2527.0	10719.	10978.	250.25	138.52	2.812	0.35		39.08		18.000		
					2526.0	10718.	10977.	249.25	138.16	2.812	0.00			37.21		0.083	4.220
1329.		01:28	11:35	8192.	2525.0	10717.	10976.	248.00	138.16	2.812	0.00				17.500		
					2522.0	10714.	10973.	246.25	138.52	3.164	0.00	51.15				0.083	4.220
					2521.0	10713.	10972.	245.50	138.52	3.516	0.35		52.70		17.500		
					2522.0	10714.	10973.	244.75	138.52	3.516	0.35			57.01		0.083	4.220
1330.		01:28	11:35	8192.	2528.0	10720.	10979.	244.00	138.52	3.516	0.35				17.000		
					2536.0	10728.	10987.	243.50	138.52	3.516	0.00	74.91				0.083	4.220
					2537.0	10729.	10988.	243.25	138.87	3.516	0.00		78.72		17.000		
					2536.0	10728.	10987.	243.00	138.52	3.516	0.00			73.30		0.083	4.220
1331.		01:28	11:35	8192.	2535.0	10727.	10986.	242.75	138.52	3.516	0.00				17.000		
					2533.0	10725.	10984.	242.75	138.52	3.516	0.00	77.67				0.083	4.220
					2534.0	10726.	10985.	242.50	138.52	3.867	0.00		77.02		16.500		
					2533.0	10725.	10984.	242.00	138.52	3.867	0.00			68.17		0.083	4.220
1332.		01:28	11:35	8192.	2532.0	10724.	10983.	241.25	138.52	3.867	0.00				16.500		
					2530.0	10722.	10981.	240.25	138.52	3.867	0.00	62.34				0.083	4.220
					2530.0	10722.	10981.	239.75	138.52	3.867	0.00		51.06		16.500		
					2526.0	10718.	10977.	238.50	138.52	3.867	-0.35			43.56		0.083	4.220
1333.		01:28	11:36	8192.	2525.0	10717.	10976.	237.25	138.52	3.867	-0.35				16.500		
					2525.0	10717.	10976.	235.75	138.52	4.219	-0.35	40.08				0.083	4.220
					2525.0	10717.	10976.	234.50	138.52	4.219	-0.35		39.52		16.500		
					2527.0	10719.	10978.	233.00	138.52	3.867	-0.35			37.24		0.083	4.220
					2529.0	10721.	10980.	231.50	138.16	3.867	-0.35				16.000		
1334.		01:28	11:36	8192.	2529.0	10721.	10980.	230.00	138.16	3.867	-0.35	37.53				0.083	4.220
					2528.0	10720.	10979.	229.00	138.16	4.219	-0.70		38.76		16.000		
					2527.0	10719.	10978.	227.75	137.81	4.570	-2.81			36.59		0.413	4.220
					2528.0	10720.	10979.	226.25	137.46	4.570	-3.87				15.500		
1335.		01:28	11:36	8192.	2530.0	10722.	10981.	225.25	137.11	4.570	-3.87	37.18				0.413	4.220
					2532.0	10724.	10983.	224.00	136.76	4.570	-4.22		38.44		15.500		
					2532.0	10724.	10983.	223.00	136.41	4.570	-4.57			36.33		0.413	4.220
					2530.0	10722.	10981.	222.00	136.05	4.570	-4.92				15.500		

053

QUALITY CONTROL CHECK

TRIP DATE LOG

S FRAME	LAPSE	GMT	ALTC	ALTF	ALT	MSL	IAS	HEAD	PITCH	ROLL	N1ENG1	N1ENG2	N1ENG3	TAT	STAB	FLAPR3
1306.	01:27	11:34	8192.	3218.0	11410.	11669.	332.50	131.13	-0.352	0.00	40.72				-0.413	0.001
				3185.0	11377.	11636.	332.25	131.13	-0.352	0.00		41.60		30.000		
				3156.0	11348.	11607.	332.00	130.78	-0.352	0.35			40.43		-0.413	0.001
				3123.0	11315.	11574.	332.00	130.78	-0.352	0.00				29.500		
1307.	01:27	11:34	8192.	3096.0	11290.	11549.	332.00	130.78	-0.352	-0.35	40.72				-0.413	0.001
				3071.0	11263.	11522.	331.75	130.78	-0.352	-0.35		41.57		29.500		
				3044.0	11236.	11495.	331.50	130.78	-0.352	-0.35			40.40		-0.413	0.001
				3017.0	11209.	11468.	331.25	130.78	-0.352	-0.35				29.500		
1308.	01:27	11:34	8192.	2991.0	11183.	11442.	331.25	130.78	-0.352	-0.35	40.72				-0.413	0.001
				2966.0	11158.	11417.	331.00	130.78	-0.352	-0.35		41.54		29.000		
				2937.0	11129.	11388.	330.75	130.78	-0.352	-0.35			40.34		-0.413	0.001
				2917.0	11104.	11363.	330.50	130.78	-0.352	0.35				29.000		
1309.	01:27	11:34	8192.	2886.0	11078.	11337.	330.25	130.78	-0.352	1.76	40.63				-0.413	0.001
				2862.0	11054.	11313.	330.50	131.13	-0.352	4.22		41.51		29.000		
				2836.0	11028.	11287.	330.25	131.48	-0.352	6.68			40.28		-0.413	0.001
				2810.0	11002.	11261.	330.00	131.84	-0.352	8.79				29.000		
1310.	01:27	11:34	8192.	2782.0	10974.	11233.	330.00	132.19	-0.352	9.84	40.61				-0.413	0.001
				2755.0	10947.	11206.	330.00	132.54	-0.352	10.20		41.51		28.500		
				2730.0	10922.	11181.	330.00	133.24	-0.352	10.20			40.20		-0.413	0.001
				2706.0	10898.	11157.	329.50	133.59	0.000	10.20				28.500		
1311.	01:27	11:34	8192.	2686.0	10878.	11137.	329.00	134.30	0.000	9.49	40.49				-0.413	0.001
				2672.0	10864.	11123.	328.75	134.65	0.000	8.44		41.43		28.000		
				2659.0	10851.	11110.	328.00	135.00	0.000	7.38			40.08		-0.413	0.001
				2645.0	10837.	11096.	327.00	135.35	0.000	6.68				26.500		
1312.	01:27	11:34	8192.	2631.0	10823.	11082.	326.25	135.70	0.352	5.98	40.34				-0.413	0.001
				2614.0	10806.	11065.	325.50	136.05	0.352	5.27		41.34		26.500		
				2604.0	10796.	11055.	324.75	136.05	0.703	4.22			39.84		-0.413	0.001
				2595.0	10787.	11046.	323.50	136.41	0.703	2.81				25.500		
1313.	01:27	11:34	8192.	2589.0	10781.	11040.	322.00	136.41	0.703	2.11	40.14				-0.413	0.001
				2583.0	10775.	11034.	320.50	136.41	0.703	1.76		41.19		25.000		
				2576.0	10768.	11027.	319.00	136.41	0.703	1.05			39.58		-0.413	0.001
				2567.0	10759.	11018.	317.50	136.76	0.703	0.70				24.500		
1314.	01:27	11:34	8192.	2558.0	10750.	11009.	316.50	136.76	1.055	0.35	39.90				-0.413	0.001
				2552.0	10744.	11003.	315.00	136.76	1.055	0.00		41.04		24.500		
				2548.0	10740.	10999.	313.75	136.76	1.055	-0.35			39.37		-0.330	0.001
				2545.0	10737.	10996.	312.25	136.76	1.055	-0.35				24.000		
1315.	01:27	11:34	8192.	2545.0	10737.	10996.	311.25	136.76	1.055	-0.35	39.73				-0.330	0.001
				2541.0	10733.	10992.	310.00	136.76	1.055	-0.35		40.87		23.500		
				2539.0	10731.	10990.	308.25	136.76	1.055	-0.35			39.23		-0.330	0.001
				2536.0	10728.	10987.	307.00	136.76	1.406	-0.35				23.500		
1316.	01:27	11:34	8192.	2533.0	10725.	10984.	305.50	136.76	1.406	-0.35	39.52				-0.330	0.001
				2528.0	10720.	10979.	304.50	136.76	1.406	-0.35		40.69		23.000		
				2525.0	10717.	10976.	303.25	136.76	1.406	-0.35			36.96		-0.330	0.001
				2523.0	10716.	10975.	302.00	136.76	1.406	-0.35				22.500		
1317.	01:27	11:34	8192.	2523.0	10715.	10974.	301.00	136.76	1.758	-0.35	39.40				-0.165	0.001
				2520.0	10712.	10971.	299.75	136.76	1.758	0.35		40.58		22.500		
				2520.0	10712.	10971.	298.50	136.76	1.758	1.05			38.79		-0.083	0.001
				2520.0	10712.	10971.	296.75	136.76	1.758	1.76				22.000		
1318.	01:27	11:35	8192.	2520.0	10712.	10971.	295.50	137.11	1.758	2.46	39.17				-0.083	0.001
				2517.0	10709.	10968.	294.00	137.11	1.758	3.16		40.40		22.000		
				2517.0	10709.	10968.	292.50	137.46	1.758	3.16			38.58		-0.165	0.001
				2514.0	10706.	10965.	291.50	137.46	1.758	3.52				21.500		
1319.	01:27	11:35	8192.	2515.0	10707.	10966.	290.00	137.81	1.758	3.52	38.99				-0.083	0.001
				2512.0	10704.	10963.	289.50	137.81	2.109	3.52		40.22		21.500		
				2511.0	10703.	10962.	288.25	138.16	2.109	2.81			38.41		0.000	0.001
				2511.0	10703.	10962.	287.50	138.16	2.109	2.46				21.500		
1320.	01:27	11:35	8192.	2511.0	10703.	10962.	285.75	138.52	2.109	2.11	38.82				0.000	0.001
				2514.0	10706.	10965.	284.75	138.52	2.109	2.11		40.14		21.000		
				2511.0	10703.	10962.	283.50	138.52	2.109	1.76			38.23		0.000	0.001
				2512.0	10704.	10963.	281.50	138.87	2.109	1.05				21.000		

0054

QUALITY CONTROL CHECK

5

ENGINEERING UNITS DUMP
DUMP VARIABLE DICTIONARY

MNEMONIC	PARAMETER NAME	ENGINEERING UNITS
ALTC	ALTITUDE COARSE	FEET
ALTF	ALTITUDE FINE	FEET
ALT	PRESSURE ALTITUDE	FEET ← Pressure altitude (29.92 in. Hg) = ALTC + ALTF
MSL	MEAN SEA LEVEL ALTITUDE	FEET ← MSL ALTITUDE BASED on 30.20 in. Hg
IAS	COMPUTED AIR SPEED	KNOTS
HEAD	MAGNETIC HEADING	DEG.
PITCH	PITCH ATTITUDE	DEG.
ROLL	ROLL ATTITUDE	DEG.
ENEG1	ENGINE THRUST (N1) ENG1	
ENEG2	ENGINE THRUST (N1) ENG2	
ENEG3	ENGINE THRUST (N1) ENG3	
TAT	TOTAL AIR TEMPERATURE	DEG. C
STAB	HORIZONTAL STABILIZER	DEG.
FLAP#3	RIGHT HAND FLAP NO.3	DEG.

END OF PARAMETER LIST THIS PASS

BEGINNING DUMP OF PASS PARAMETERS

WESTERN DC-10

MEXICO CITY

31-OCT-79

PART 1 of 5

Carl A. Ahlstrom
11/9/79

0055

QUALITY CONTROL CHECK

HISH DATA DUMP PROGRAM
09-NOV-79 WESTERN AIRLINES DC-10 AT MEXICO CITY, 31-OCT-79

TRIP DATE LEG

S FRAME	ELAPSE	GMT	ALTC	ALTF	ALT	MSL	IAS	HEAD	PITCH	ROLL	N1ENG1	N1ENG2	N1ENG3	TAT	STAB	FLAPR3
1291.	01:26	11:33	12288.	1537.0	13525.	14084.	335.75	119.88	-1.758	-0.35	45.29				-0.495	0.001
				1492.0	13780.	14039.	335.75	119.53	-1.406	-0.35		42.69		28.000		
				1449.0	13737.	13996.	335.50	119.88	-1.406	-0.35			41.31		-0.495	0.001
				1410.0	13698.	13957.	335.25	119.88	-1.406	-0.35				27.500		
1292.	01:26	11:33	12288.	1370.0	13558.	13937.	335.00	119.88	-1.406	-0.35	45.20				-0.495	0.001
				1328.0	13[illegible]6.	13875.	334.75	119.88	-1.758	0.00		42.63		28.000		
				1286.0	13574.	13833.	334.50	119.88	-1.758	-0.35			41.22		-0.495	0.001
				1245.0	13533.	13792.	334.75	119.88	-1.758	-0.35				28.000		
1293.	01:26	11:33	12288.	1204.0	13492.	13751.	335.50	119.88	-1.406	0.00	45.12				-0.495	0.001
				1162.0	13450.	13709.	336.25	119.88	-1.406	0.00		42.57		28.500		
				1123.0	13411.	13670.	336.25	119.88	-1.406	0.00			41.22		-0.495	0.001
				1084.0	13372.	13631.	336.25	119.88	-1.406	0.00				28.000		
1294.	01:26	11:33	12288.	1041.0	13329.	13588.	336.50	119.88	-1.406	0.00	43.74				-0.495	0.001
				1004.0	13292.	13551.	337.00	119.88	-1.055	0.00		42.19		28.500		
				967.0	13255.	13514.	337.00	119.88	-1.055	0.00			40.93		-0.495	0.001
				930.0	13218.	13477.	336.75	119.88	-1.055	0.00				29.000		
1295.	01:26	11:33	12288.	894.0	13182.	13441.	336.25	119.88	-1.055	0.00	41.34				-0.495	0.001
				860.0	13148.	13407.	336.00	119.88	-1.055	-0.35		41.98		28.500		
				825.0	13113.	13372.	335.75	119.88	-1.055	-0.35			40.81		-0.495	0.001
				789.0	13077.	13336.	335.50	119.88	-1.055	-0.35				28.500		
1296.	01:26	11:33	12288.	756.0	13044.	13303.	335.00	119.88	-1.055	-0.35	41.16				-0.495	0.001
				724.0	13012.	13271.	334.75	119.88	-1.055	-0.35		41.89		28.500		
				691.0	12979.	13238.	334.50	119.88	-1.055	-0.35			40.75		-0.495	0.001
				655.0	12943.	13202.	334.00	119.88	-1.055	-0.35				28.500		
1297.	01:26	11:33	12288.	622.0	12910.	13169.	334.00	119.88	-1.406	-0.35	41.07				-0.495	0.001
				586.0	12874.	13133.	333.50	119.88	-1.406	-0.35		41.84		28.500		
				550.0	12838.	13097.	333.25	119.88	-1.406	-0.35			40.72		-0.495	0.001
				512.0	12800.	13059.	333.25	119.88	-1.406	0.70				28.500		
1298.	01:26	11:33	12288.	477.0	12765.	13024.	333.25	120.23	-1.406	2.81	41.02				-0.495	0.001
				442.0	12730.	12989.	333.00	120.23	-1.406	4.92		41.81		29.000		
				401.0	12689.	12948.	333.00	120.59	-1.406	7.38			40.66		-0.495	0.001
				363.0	12652.	12911.	332.75	121.29	-1.758	10.20				29.000		
1299.	01:26	11:33	12288.	325.0	12614.	12873.	332.50	121.64	-1.758	12.66	40.99				-0.495	0.001
				286.0	12574.	12833.	332.50	122.34	-1.758	14.06		41.75		29.500		
				243.0	12531.	12790.	332.50	122.70	-1.758	14.77			40.69		-0.495	0.001
				200.0	12488.	12747.	332.00	123.40	-1.758	14.77				29.500		
1300.	01:26	11:33	12288.	159.0	12447.	12706.	332.00	124.10	-2.109	14.41	40.93				-0.495	0.001
				117.0	12406.	12[illegible]59.	332.00	124.45	-2.109	13.36		41.72		29.000		
				69.0	12357.	12616.	331.75	125.16	-2.109	12.30			40.63		-0.495	0.001
				24.0	12312.	12571.	332.25	125.51	-2.109	10.90				29.500		
1301.	01:26	11:33	8192.	4075.0	12267.	12526.	332.50	125.86	-2.109	9.49	40.90				-0.495	0.001
				4024.0	12216.	12475.	333.00	126.56	-2.109	8.79		41.75		29.500		
				3979.0	12171.	12430.	333.25	126.91	-2.109	8.79			40.63		-0.495	0.001
				3935.0	12127.	12386.	333.25	127.27	-2.109	8.79				30.000		
1302.	01:26	11:33	8192.	3890.0	12082.	12341.	333.25	127.97	-2.109	8.79	40.87				-0.495	0.001
				3843.0	12035.	12294.	333.00	128.32	-2.109	8.44		41.69		30.000		
				3797.0	11991.	12250.	332.75	128.67	-2.109	7.73			40.61		-0.495	0.001
				3754.0	11946.	12205.	332.50	129.02	-2.109	6.68				30.000		
1303.	01:26	11:33	8192.	3707.0	11899.	12158.	332.25	129.37	-2.109	5.98	40.87				-0.495	0.001
				3662.0	11854.	12113.	332.25	129.37	-2.109	5.27		41.66		30.500		
				3617.0	11809.	12068.	332.00	129.73	-2.461	4.57			40.55		-0.495	0.001
				3570.0	11762.	12021.	331.75	130.08	-2.109	3.52				30.000		
1304.	01:26	11:34	8192.	3521.0	11713.	11972.	331.75	130.08	-1.758	2.46	40.75				-0.495	0.001
				3471.0	11663.	11922.	331.75	130.43	-1.406	2.11		41.66		30.000		
				3434.0	11626.	11885.	332.00	130.43	-1.055	1.76			40.49		-0.495	0.001
				3391.0	11583.	11842.	332.25	130.43	-1.055	0.70				30.000		
1305.	01:26	11:34	8192.	3354.0	11546.	11805.	332.25	130.78	-0.703	0.70	40.78				-0.413	0.001
				3322.0	11514.	11773.	332.75	130.78	-0.703	0.35		41.63		29.500		
				3287.0	11479.	11738.	332.50	130.78	-0.703	0.00			40.46		-0.413	0.001
				3250.0	11442.	11701.	332.50	130.78	-0.703	0.00				30.000		

0056

QUALITY CONTROL CHECK

34

ENGINEERING UNITS DUMP
DUMP VARIABLE DICTIONARY

MNEMONIC	PARAMETER NAME	ENGINEERING UNITS
AILLL	AILERON POSITION LT-INBD	DEG.
AILRB	AILERON POSIT RT-OUTBD	DEG.
CTIME	COMPUTER CLOCK TIME	SEC

+ = AILERON UP!

PUT ON BY NTSB COMPUTER.
NOT on DFDR Tape.

END OF PARAMETER LIST THIS PASS

BEGINNING DUMP OF PASS PARAMETERS

WESTERN DC-10
MEXICO CITY
31-OCT-79
PART 3 OF 5

Chuck A Roberts
11/9/79

0057

QUALITY CONTROL CHECK

13

[illegible] DATA DUMP PROGRAM
[illegible] AIRCRAFT DC-10 AT MEXICO CITY, 31-OCT-79

TYP DATE DEG

S FRAME	TAPE	GMT	AILGI	AILPO	CTIME
1291.	01:26	11:33	0.972	-0.596	365.47
			0.397	-0.596	
			0.372	-0.596	
			0.747	-0.596	
1292.	01:26	11:33	0.622	-0.596	365.70
			0.747	-0.596	
			0.622	-0.596	
			0.497	-0.596	
1293.	01:26	11:33	0.747	-0.596	365.92
			0.372	-0.556	
			0.997	-0.556	
			0.747	-0.556	
1294.	01:26	11:33	0.622	-0.556	366.34
			0.397	-0.596	
			0.472	-0.556	
			0.747	-0.556	
1295.	01:26	11:33	0.672	-0.556	366.56
			0.622	-0.556	
			0.622	-0.556	
			0.497	-0.556	
1296.	01:26	11:33	0.622	-0.556	366.88
			0.622	-0.556	
			0.622	-0.556	
			0.497	-0.556	
1297.	01:26	11:33	0.372	-0.556	367.10
			0.372	-0.556	
			-1.126	-0.556	
			-2.249	-0.556	
1298.	01:26	11:33	-2.249	-0.556	367.43
			-2.499	-0.556	
			-2.748	-0.556	
			-2.748	-0.556	
1299.	01:26	11:33	-0.875	-0.556	367.65
			-0.626	-0.556	
			0.248	-0.556	
			1.371	-0.556	
1300.	01:26	11:33	1.870	-0.556	367.97
			2.120	-0.556	
			2.619	-0.556	
			2.245	-0.556	
1301.	01:26	11:33	1.496	-0.516	368.29
			-0.127	-0.516	
			-0.501	-0.516	
			0.372	-0.516	
1302.	01:26	11:33	1.121	-0.516	368.51
			1.246	-0.516	
			1.621	-0.516	
			1.621	-0.516	
1303.	01:26	11:34	1.746	-0.516	368.84
			1.870	-0.516	
			1.870	-0.516	
			1.371	-0.516	
1304.	01:26	11:34	0.747	-0.516	369.06
			1.121	-0.516	
			1.371	-0.516	
			0.747	-0.516	
1305.	01:26	11:34	1.121	-0.516	369.38
			1.246	-0.516	
			1.121	-0.516	
			1.121	-0.516	

0050

QUALITY CONTROL CHECK

TRIP DATE LOG

S FRAME	LAPSE	GMT	AILLI	AILRO	CL E
1306.	01:27	11:34	1.496	-0.516	369.60
			1.995	-0.516	
			1.870	-0.516	
			1.621	-0.516	
1307.	01:27	11:34	0.997	-0.516	369.92
			0.872	-0.516	
			0.997	-0.516	
			0.997	-0.516	
1308.	01:27	11:34	0.997	-0.516	370.24
			0.872	-0.516	
			-0.626	-0.477	
			-2.124	-0.477	
1309.	01:27	11:34	-2.499	-0.477	370.47
			-2.499	-0.477	
			-2.499	-0.477	
			-1.250	-0.477	
1310.	01:27	11:34	-0.252	-0.477	370.79
			0.123	-0.477	
			0.622	-0.516	
			0.997	-0.516	
1311.	01:27	11:34	1.246	-0.516	371.01
			1.246	-0.516	
			1.371	-0.556	
			1.496	-0.556	
1312.	01:27	11:34	1.621	-0.556	371.33
			1.621	-0.556	
			1.246	-0.556	
			0.747	-0.596	
1313.	01:27	11:34	0.622	-0.596	371.55
			0.622	-0.596	
			0.622	-0.636	
			0.497	-0.636	
1314.	01:27	11:34	0.372	-0.636	371.87
			0.372	-0.636	
			0.123	-0.636	
			0.497	-0.675	
1315.	01:27	11:34	0.497	-0.675	372.10
			0.372	-0.675	
			0.372	-0.715	
			0.248	-0.715	
1316.	01:27	11:34	0.372	-0.715	372.42
			0.248	-0.715	
			0.248	-0.715	
			-0.377	-0.755	
1317.	01:27	11:34	-0.501	-0.755	372.74
			-0.002	-0.755	
			-0.501	-0.794	
			-3.127	-0.794	
1318.	01:27	11:35	-0.002	-0.794	372.96
			0.123	-0.834	
			0.372	-0.834	
			0.622	-0.834	
1319.	01:27	11:35	0.747	-0.834	373.28
			0.747	-0.834	
			0.622	-0.874	
			0.747	-0.874	
1320.	01:27	11:35	0.622	-0.834	373.50
			0.747	-0.834	
			0.747	-0.834	
			0.622	-0.834	

0059

QUALITY CONTROL CHECK

09-NOV-79 WESTERN AIRLINES DC-10 AT MEXICO CITY, 31-OCT-79

TRIP	DATE	LEG				
SFRAME	LAPSE	GMT	AILLT	AILRO	CTIME	
1321.	01:28	11:35	0.622	-0.794	373.83	
			0.622	-0.794		
			0.197	-0.794		
			0.372	-0.755		
1322.	01:28	11:35	0.497	-0.755	374.05	
			0.372	-0.715		
			0.248	-0.715		
			0.248	-0.715		
1323.	01:28	11:35	0.248	-0.715	374.37	
			0.123	-0.675		
			-0.002	-0.675		
			0.123	-0.675		
1324.	01:28	11:35	0.123	-0.636	374.69	
			0.123	-0.636		
			-0.002	-0.636		
			-0.002	-0.596		
1325.	01:28	11:35	-0.002	-0.596	374.91	
			-0.002	-0.596		
			-0.002	-0.556		
			-0.002	-0.556		
1326.	01:28	11:35	-0.002	-0.556	375.24	
			-0.002	-0.516		
			-0.002	-0.516		
			0.123	-0.516		
1327.	01:28	11:35	0.372	-0.516	375.46	
			0.372	-0.477		
			0.248	-0.477		
			0.497	-0.516		
1328.	01:28	11:35	0.622	-0.636	375.78	
			0.497	-0.715		
			0.372	-0.874		
			-0.002	-0.953		
1329.	01:28	11:35	0.372	-0.953	376.00	
			0.622	-0.953		
			0.747	-0.953		
			0.872	-0.953		
1330.	01:28	11:35	0.622	-0.953	376.32	
			0.747	-0.914		
			0.872	-0.953		
			0.872	-0.953		
1331.	01:28	11:35	0.622	-0.914	376.64	
			0.622	-0.914		
			0.747	-0.953		
			0.747	-0.953		
1332.	01:28	11:35	0.622	-0.953	376.87	
			0.622	-0.953		
			0.622	-0.953		
			0.123	-0.953		
1333.	01:28	11:36	-0.002	-0.953	377.19	
			-0.002	-0.914		
			-0.002	-0.914		
			-0.002	-0.914		
1334.	01:28	11:36	1.621	-1.351	377.41	
			2.869	-2.304		
			1.621	-1.430		
			0.872	-1.152		
1335.	01:28	11:36	0.372	-1.072	377.73	
			-0.127	-0.993		
			0.372	-0.993		
			-0.002	-0.953		

0060

QUALITY CONTROL CHECK

TRIP	DATE	GMT	AILLI	AILRO	CTIME
1336.	01:29	11:36	-0.252	-0.953	377.95
			-0.626	-0.914	
			-0.377	-0.874	
			-0.751	-0.834	
1337.	01:29	11:36	-1.375	-0.556	378.27
			-1.625	-0.318	
			-1.500	-0.278	
			-0.876	-0.318	
1338.	01:29	11:36	-0.626	-0.596	378.50
			-0.626	-0.715	
			-0.876	-0.715	
			-0.876	-0.675	
1339.	01:29	11:36	-0.626	-0.675	378.82
			-0.377	-0.636	
			-0.252	-0.636	
			-0.127	-0.636	
1340.	01:29	11:36	-0.127	-0.636	379.14
			-0.377	-0.636	
			-0.377	-0.636	
			-0.002	-0.675	
1341.	01:29	11:36	0.123	-0.675	379.36
			0.248	-0.715	
			0.248	-0.755	
			0.497	-0.794	
1342.	01:29	11:36	0.248	-0.794	379.68
			0.372	-0.834	
			0.123	-0.874	
			-0.002	-0.874	
1343.	01:29	11:36	-0.002	-0.874	379.91
			-0.127	-0.834	
			-0.002	-0.794	
			-0.002	-0.755	
1344.	01:29	11:36	0.123	-0.755	380.23
			-1.375	-0.159	
			-2.623	0.159	
			-2.499	0.238	
1345.	01:29	11:36	-2.499	0.238	380.45
			-0.626	-0.675	
			-0.252	-0.755	
			-0.002	-0.715	
1346.	01:29	11:36	0.747	-0.715	380.77
			1.246	-0.715	
			1.746	-1.072	
			1.495	-1.509	
1347.	01:29	11:36	1.995	-1.629	381.09
			1.496	-1.589	
			1.371	-1.509	
			1.246	-1.351	
1348.	01:29	11:37	1.121	-1.231	381.31
			0.997	-1.152	
			0.872	-1.072	
			0.497	-0.993	
1349.	01:29	11:37	-0.002	-0.953	381.64
			-0.002	-0.874	
			-0.252	-0.834	
			-0.002	-0.755	
1350.	01:29	11:37	0.123	-0.715	381.86
			0.248	-0.715	
			0.123	-0.675	
			-0.002	-0.675	

0061

QUALITY CONTROL CHECK

#17

AIRLINES DC-10 AT MEXICO CITY, 31-OCT-79

S	TRIP FRAME	TIME LAPSE	GMT	LEG AILLI	AILWD	CTIME
	1351.	01:30	11:37	-0.002	-0.675	382.18
				-0.002	-0.675	
				-0.002	-0.675	
				0.123	-0.636	
	1352.	01:30	11:37	0.123	-0.636	382.40
				0.123	-0.636	
				0.248	-0.636	
				0.372	-0.636	
	1353.	01:30	11:37	0.372	-0.675	382.72
				0.497	-0.636	
				0.497	-0.636	
				0.622	-0.636	
	1354.	01:30	11:37	0.497	-0.636	382.95
				0.497	-0.636	
				0.622	-0.636	
				0.622	-0.636	
	1355.	01:30	11:37	0.622	-0.636	383.27
				0.497	-0.636	
				-1.001	-0.516	
				-2.748	0.278	
	1356.	01:30	11:37	-2.748	0.397	383.59
				-2.874	0.397	
				-3.747	0.874	
				-3.872	1.112	
	1357.	01:30	11:37	-3.497	1.112	383.81
				-3.372	1.073	
				-3.622	0.834	
				-0.377	-0.755	
	1358.	01:30	11:37	0.248	-0.755	384.13
				1.995	-1.668	
				3.493	-2.820	
				3.743	-2.979	
	1359.	01:30	11:37	3.244	-2.939	384.35
				2.744	-2.582	
				2.495	-2.105	
				2.120	-1.907	
	1360.	01:30	11:37	1.870	-1.748	384.68
				1.245	-1.589	
				0.872	-1.152	
				0.622	-0.874	
	1361.	01:30	11:37	0.622	-0.794	384.90
				0.497	-0.715	
				-0.876	-0.596	
				-2.998	0.556	
	1362.	01:30	11:37	-3.372	0.755	385.22
				-2.373	0.715	
				-3.248	0.675	
				-3.872	0.794	
	1363.	01:30	11:38	-3.997	1.112	385.54
				-2.998	0.040	
				-0.127	-0.755	
				0.622	-0.755	
	1364.	01:30	11:38	2.245	-1.787	385.76
				3.244	-2.582	
				3.493	-2.781	
				3.743	-2.820	
	1365.	01:30	11:38	3.743	-2.860	386.08
				3.368	-2.900	
				2.370	-2.145	
				1.746	-1.589	

0062

QUALITY CONTROL CHECK

WESTERN AIRLINES DC-10 AT MEXICO CITY, 31-OCT-79

TRIP	DATE	LEG				
S FRAME	ELAPSE	GMT	AILGI	AILRO	CTIME	
1366.	01:31	11:38	1.746	-1.509	386.31	
			1.121	-1.470		
			0.872	-1.112		
			0.997	-0.993		
1367.	01:31	11:38	0.622	-0.953	386.63	
			0.372	-0.914		
			0.246	-0.874		
			0.497	-0.834		
1368.	01:31	11:38	0.747	-0.794	386.85	
			0.747	-0.794		
			0.622	-0.755		
			-0.751	-0.675		
1369.	01:31	11:38	-2.499	0.199	387.17	
			-3.123	0.477		
			-3.248	0.556		
			-3.747	0.874		
1370.	01:31	11:38	-3.997	1.192	387.49	
			-3.747	1.231		
			-1.001	-0.675		
			-0.002	-0.755		
1371.	01:31	11:39	1.121	-0.874	387.72	
			2.869	-2.383		
			3.193	-2.781		
			3.493	-2.820		
1372.	01:31	11:38	3.493	-2.820	388.04	
			3.244	-2.820		
			2.744	-2.622		
			2.120	-2.026		
1373.	01:31	11:38	1.870	-1.589	388.26	
			1.746	-1.470		
			1.746	-1.390		
			1.246	-1.351		
1374.	01:31	11:38	0.872	-1.231	388.58	
			0.872	-0.993		
			-3.997	1.986		
			-4.746	2.105		
1375.	01:31	11:38	-4.870	2.026	388.80	
			-5.743	3.138		
		MIN	-7.117	3.416	MAX	
			-2.623	0.199		
1376.	01:31	11:38	-2.373	0.199	389.12	
			-2.124	0.040		
			-0.377	-0.755		
			-0.377	-0.755		
1377.	01:31	11:38	0.247	-0.874	389.35	
			2.994	-2.502		
			3.443	-2.781		
			3.366	-2.781		
1378.	01:31	11:39	3.366	-2.781	389.67	
			3.993	-2.781		
			3.993	-3.456		
			3.618	-3.694		
1379.	01:31	11:39	2.369	-3.250	389.99	
			1.995	-3.456		
			1.496	-2.502		
			0.997	-2.781		
1380.	01:31	11:39	2.370	-3.337	390.21	
			1.995	-2.672		
			1.121	-1.470		
			-0.002	-0.556		

0063

QUALITY CONTROL CHECK

1/1

TRIG RATE 0.0

FRAME	LAPSE	GMT	AILLI	AILRO	CTIME
1381.	01:32	11:39	-0.127	-0.477	390.53
			-0.501	-0.357	
			-0.376	0.000	
			-1.001	0.000	
1382.	01:32	11:39	-0.626	-0.318	390.75
			-0.002	-0.755	
			-0.002	-0.755	
			-0.002	-0.794	
1383.	01:32	11:39	-0.002	-0.794	391.08
			-0.002	-0.834	
			-0.002	-0.834	
			0.747	-1.746	
1384.	01:32	11:39	0.872	-1.787	391.30
			0.997	-1.748	
			0.622	-2.185	
			1.995	-2.900	
1385.	01:32	11:39	1.371	-1.033	391.62
			-0.002	-0.636	
			-0.127	-0.238	
			-0.626	-0.119	
1386.	01:32	11:39	-0.501	-0.516	391.94
			-0.002	-0.755	
			-0.002	-0.834	
			1.121	-2.661	
1387.	01:32	11:39	4.242	-4.846	392.16
			4.117	-3.654	
			0.997	-1.549	
			1.371	-2.383	
1388.	01:32	11:39	1.996	-2.185	392.49
			0.218	-0.874	
			-0.377	0.596	
			-3.747	2.463	
1389.	01:32	11:39	-2.744	-0.199	392.71
			-0.002	-0.437	
			-2.499	1.986	
			-2.998	0.437	
1390.	01:32	11:39	-1.500	0.000	393.03
			-1.001	0.000	
			-1.126	0.914	
			-1.126	0.000	
1391.	01:32	11:39	-0.501	-0.794	393.25
			0.372	-1.629	
			0.872	-1.787	
			1.621	-2.542	
1392.	01:32	11:39	1.621	-0.715	393.57
			-1.001	0.318	
			-2.374	0.953	
			-1.500	-0.079	
1393.	01:32	11:40	-0.002	-0.914	393.89
			-0.002	-0.914	
			0.997	-2.105	
			1.121	-1.708	
1394.	01:32	11:40	-0.002	-0.993	394.12
			0.872	-1.470	
			0.372	-0.953	
			0.123	-1.390	
1395.	01:32	11:40	1.121	-2.224	394.44
			2.245	-3.019	
			2.245	-2.582	
			0.622	-0.993	

006d

QUALITY CONTROL CHECK

04-MAY-79 WESTERN AIRLINES DC-10 AT MEXICO CITY, 31-OCT-79

TRIP DATE LFG

S FRAME	GMT		AILLI	AILRO	CTIME
1396.	01:33	11:10	0.372	-0.953	391.66
			0.622	-2.463	
			5.116	-5.463 MIN	
			0.372	-1.072	
1397.	01:33	11:40	2.120	-3.456	394.98
			2.245	-2.304	
			1.246	-1.787	
			1.121	-1.708	
1398.	01:33	11:40	1.121	-1.708	395.20
			0.123	-0.794	
			-0.002	-0.715	
			-0.002	-0.636	
1399.	01:33	11:40	-0.002	-0.675	395.52
			-0.002	-0.079	
			-1.499	0.715	
			-3.248	1.986	
1400.	01:33	11:40	-2.249	0.159	395.75
			-1.375	0.079	
			-0.002	-0.834	
			-0.002	-0.397	
1401.	01:33	11:40	-0.626	0.874	396.07
			-4.121	0.079	
			-0.751	0.000	
			-0.501	-0.953	
1402.	01:33	11:40	0.497	-2.105	396.39
			1.746	-3.019	
			1.746	-1.946	
			2.619	-2.423	
1403.	01:33	11:40	1.995	-2.026	396.61
			1.621	-1.787	
			1.121	-1.549	
			0.622	-0.993	
1404.	01:33	11:40	-4.621	1.192	396.93
			-2.499	0.000	
			-2.499	0.000	
			-4.121	0.675	
1405.	01:33	11:40	-3.497	0.397	397.16
			-1.875	-0.357	
			-2.748	0.000	
			-1.125	-0.755	
1406.	01:33	11:40	-1.375	-0.755	397.48
			0.197	-0.794	
			0.872	-1.390	
			0.622	-1.509	
1407.	01:33	11:40	1.746	-1.668	397.70
			2.619	-2.463	
			1.870	-2.066	
			2.744	-2.463	
1408.	01:33	11:41	2.619	-2.344	398.02
			2.245	-2.145	
			2.120	-1.827	
			2.237	-1.351	
1409.	01:33	11:41	-4.995	-0.477	398.34
			0.372	-1.946	
			-1.375	0.000	
			5.490	0.000	
1410.	01:33	11:41	5.614	0.000	398.56
			1.621	0.000	
			5.241	0.000	
			5.115	0.000	

0065

QUALITY CONTROL CHECK

09-00479 WESTERN AIRLINES DC-10 AT MEXICO CITY, A-OCT-79

TRIP DATE LEG

S FRAME	LAPSE	G-1	AILLI	AILRO	CTIME
1411.	01:34	11:41	7.298	0.000	398.89
			6.988	0.000	
			6.739	0.000	
			6.739	0.040	
1412.	01:34	11:41	6.739	0.040	399.11
			8.112	0.040	
			9.111	0.159	
			10.484	0.119	
1413.	01:34	11:41	11.108	0.159	399.43
		MAX	11.357	0.199	
			11.357	0.199	
			11.233	0.238	
1414.	01:34	11:41	11.108	0.278	399.65
			10.983	0.278	
			10.109	0.318	
			10.359	0.358	
1415.	01:34	:41	10.484	0.397	400.17
			[illegible]	[illegible]	
			[illegible]	81.352	
			0.248	-0.914	
1416.	01:34	20:46	0.248	-0.914	400.49
			0.248	-0.914	
			0.248	-0.914	
			0.248	-0.914	
1417.	01:34	20:46	0.248	-0.914	400.71
			0.248	-0.914	
			0.123	-0.914	
			0.248	-0.914	
1418.	01:34	20:46	0.248	-0.914	401.04
			0.372	-0.914	
			0.372	-0.914	
			0.372	-0.914	
1419.	01:34	20:46	0.372	-0.914	401.26
			0.372	-0.914	
			0.248	-0.914	
			0.372	-0.914	
1420.	01:34	20:46	0.622	-0.914	401.58
			0.622	-0.914	
			0.622	-0.914	
			0.622	-0.914	
1421.	01:34	20:46	0.622	-0.914	401.80
			0.622	-0.914	
			0.622	-0.914	
			0.372	-0.914	
1422.	01:34	20:46	0.372	-0.914	402.12
			0.372	-0.914	
			0.248	-0.914	
			0.248	-0.914	
1423.	01:34	20:46	0.372	-0.914	402.44
			0.372	-0.914	
			0.248	-0.914	
			0.248	-0.914	
1424.	01:34	20:46	0.248	-0.914	402.67
			0.248	-0.914	
			0.248	-0.914	
			0.372	-0.914	
1425.	01:34	20:47	0.372	-0.914	402.99
			0.248	-0.914	
			0.372	-0.914	
			0.248	-0.914	

25 HOUR OLD DATA

0064

QUALITY CONTROL CHECK

52

FRAME	LAPSE	GMT	VERG	VERG	VERG	VERG	LATG	LATG	LATG	LATG	LONG	ELEVLI	ELEVRO	RUDUP	RUDUP	RUDLO
											MAX					
1411.	01:34	11:41	1.0550	1.0373	1.0262	1.0007	-0.0025	-0.0127	-0.0167	-0.0228	0.3352	8.220	0.149	0.784	0.003	-2.892
			0.9732	0.9558	0.9274	0.9274	-0.0208	-0.0289	-0.0350	-0.0310	0.3027	8.220	0.149	-2.860	-3.250	-2.372
			0.9183	0.9183	0.9183	0.9183	-0.0350	-0.0371	-0.0249	-0.0330	0.2844	8.079	0.149	-3.250	-3.510	-1.819
			0.9274	0.9366	0.9549	0.9641	-0.0208	-0.0208	-0.0167	-0.0147	0.2768	8.079	0.149	-3.250	-2.990	-1.331
1412.	01:34	11:41	0.9915	1.0190	1.0465	1.0648	-0.0065	-0.0025	0.0016	0.0118	0.2645	8.079	0.149	-2.729	-2.469	-0.875
			1.1014	1.1264	1.1289	1.1472	0.0260	0.0097	0.0280	0.0057	0.2506	8.079	0.149	-2.209	-1.949	-0.452
			1.1555	1.1563	1.1472	1.1380	0.0179	0.0036	0.0158	-0.0025	0.2279	8.079	0.149	-1.819	-1.558	-0.127
			1.1197	1.1105	1.1105	1.0922	0.0036	-0.0045	-0.0106	-0.0045	0.1827	8.079	0.149	-1.298	-1.168	0.003
1413.	01:34	11:41	1.0922	1.1014	1.1014	1.1105	-0.0106	-0.0127	-0.0127	-0.0167	0.1496	7.512	0.149	-1.038	-0.908	0.003
			1.1105	1.0831	1.0648	1.0373	-0.0188	-0.0188	-0.0167	-0.0208	0.1069	3.405	0.149	-0.777	-0.647	0.008
			1.0190	0.9915	0.9732	0.9549	-0.0167	-0.0228	-0.0188	-0.0208	0.0652	3.405	0.149	-0.647	-0.647	0.101
			0.9366	0.9366	0.9274	0.9274	-0.0167	-0.0208	-0.0147	-0.0147	0.0697	3.405	-0.300	-0.647	-0.517	0.133
1414.	01:34	11:41	0.9183	0.9183	0.9274	0.9274	-0.0147	-0.0147	-0.0127	-0.0127	0.1313	3.405	0.149	-0.517	-0.517	0.196
			0.9366	0.9458	0.9732	0.9915	-0.0106	-0.0066	-0.0127	-0.0127	0.2096	3.405	0.149	-0.387	-0.387	0.264
			0.9915	0.9915	1.0098	1.0098	-0.0127	-0.0147	-0.0127	-0.0127	0.2050	3.405	0.149	-0.257	-0.257	0.329
			1.0098	1.0098	1.0190	1.0190	-0.0188	-0.0167	-0.0228	-0.0228	0.1445	3.405	0.149	-0.127	-0.127	0.361
1415.	01:34	:41	1.0190	1.0048	1.0739	0.9915	-0.0228	-0.0900	-0.0167	-0.2487	0.0697	3.405	-0.300	-0.127	-0.127	0.361
			0.9091	0.9091	~~0.9273~~	~~0.9164~~	-0.0920	~~-0.9965~~	~~-0.0520~~	~~-0.0394~~	~~1.0000~~	~~-72.514~~	-0.300	-0.257	~~65.716~~	0.556
			~~3.3755~~	~~3.3755~~	~~3.3755~~	~~3.3755~~	~~-1.0828~~	~~-1.0828~~	~~-1.0828~~	~~-1.0828~~	~~-1.0828~~	~~-72.514~~	~~-76.754~~	~~-66.622~~	~~-66.622~~	~~-66.622~~
			0.9824	0.9824	0.9824	0.9824	0.0016	0.0016	0.0016	0.0016	0.0367	0.147	0.149	-1.038	-1.038	-0.843
1416.	01:34	20:40	0.9824	0.9824	0.9915	0.9824	0.0016	0.0016	0.0016	0.0016	0.0372	0.147	0.149	-1.038	-1.038	-0.875
			0.9824	0.9824	0.9824	0.9824	0.0036	0.0036	0.0016	0.0036	0.0367	0.147	0.149	-1.038	-1.038	-0.908
			0.9824	0.9824	0.9824	0.9824	0.0016	0.0016	0.0016	0.0016	0.0372	0.147	0.149	-1.038	-1.038	-0.875
1417.	01:34	20:40	0.9824	0.9824	0.9824	0.9824	-0.0004	0.0016	0.0016	-0.0004	0.0372	0.147	0.149	-1.038	-1.038	-0.843
			0.9824	0.9824	0.9824	0.9824	0.0016	0.0016	0.0016	0.0016	0.0372	0.147	0.149	-1.038	-1.168	-0.875
			0.9824	0.9824	0.9824	0.9824	0.0016	0.0016	0.0016	0.0016	0.0377	0.147	0.149	-1.168	-1.168	-0.908
			0.9824	0.9824	0.9824	0.9824	0.0016	0.0016	0.0036	0.0016	0.0377	0.147	0.149	-1.168	-1.168	-0.940
1418.	01:34	20:40	0.9824	0.9824	0.9824	0.9824	0.0016	0.0016	0.0016	0.0016	0.0372	0.147	0.149	-1.168	-1.168	-0.908
			0.9824	0.9824	0.9824	0.9824	0.0016	0.0036	0.0016	0.0036	0.0377	0.147	0.149	-1.168	-1.036	-0.908
			0.9915	0.9915	0.9915	0.9915	-0.0004	0.0016	0.0036	0.0036	0.0377	0.147	0.149	-1.038	-1.168	-0.908
			0.9824	0.9824	0.9915	0.9824	0.0016	0.0016	0.0016	0.0016	0.0377	0.147	0.149	-1.038	-1.038	-0.875
			0.9824	0.9915	0.9915	0.9915	-0.0004	-0.0004	0.0016	0.0036	0.0377	0.147	0.149	-1.038	-1.168	-0.875
1419.	01:34	20:40	0.9824	0.9824	0.9824	0.9824	0.0016	0.0036	0.0016	-0.0004	0.0377	0.147	0.149	-1.168	-1.168	-0.940
			0.9824	0.9915	0.9915	-0.0004	-0.0004	0.0016	-0.0004	0.0016	0.0382	0.147	0.149	-1.168	-1.168	-0.908
			0.9824	0.9732	0.9824	0.9824	0.0036	0.0036	0.0016	0.0016	0.0377	0.147	0.149	-1.168	-1.168	-0.973
			0.9824	0.9824	0.9915	0.9824	0.0016	0.0016	0.0057	0.0057	0.0377	0.147	0.149	-1.168	-1.168	-0.908
1420.	01:34	20:40	0.9824	0.9824	0.9824	0.9824	0.0016	0.0036	0.0057	0.0036	0.0377	0.147	0.149	-1.038	-1.038	-0.875
			0.9824	0.9732	0.9824	0.9824	0.0036	0.0016	0.0036	-0.0004	0.0382	0.147	0.149	-1.038	-1.038	-0.843
			0.9824	0.9824	0.9824	0.9824	0.0016	0.0016	0.0016	0.0016	0.0372	0.147	0.149	-1.038	-1.038	-0.843
			0.9824	0.9824	0.9824	0.9824	0.0036	0.0036	0.0036	0.0036	0.0382	0.147	0.149	-1.038	-1.038	-0.908
1421.	01:34	20:40	0.9824	0.9915	0.9915	0.9915	0.0036	0.0016	0.0036	0.0016	0.0382	0.147	0.149	-1.166	-1.038	-0.908
			0.9915	0.9915	0.9915	0.9915	0.0036	0.0036	0.0036	0.0016	0.0377	0.147	0.149	-1.038	-1.038	-0.908
			0.9915	0.9915	0.9915	0.9915	0.0016	-0.0004	0.0016	0.0016	0.0372	0.147	0.149	-1.038	-1.038	-0.843
			0.9915	0.9915	0.9824	0.0016	0.0016	0.0016	0.0036	0.0016	0.0372	0.147	0.149	-1.168	-1.168	-0.875
1422.	01:34	20:40	0.9824	0.9824	0.9824	0.9824	0.0016	0.0016	0.0016	-0.0004	0.0367	0.147	-0.000	-1.168	-1.168	-0.875
			0.9824	0.9824	0.9824	0.9824	-0.0004	0.0016	0.0016	0.0016	0.0377	0.147	-0.000	-1.168	-1.168	-0.940
			0.9824	0.9824	0.9915	0.9915	0.0016	0.0016	0.0036	0.0036	0.0377	0.147	-0.000	-1.168	-1.168	-0.973
			0.9824	0.9915	0.9915	0.9915	0.0036	0.0036	0.0036	0.0016	0.0377	0.147	-0.000	-1.168	-1.168	-0.940
1423.	01:34	20:40	0.9824	0.9824	0.9824	0.9824	0.0016	0.0036	0.0016	0.0036	0.0372	0.147	-0.000	-1.038	-1.038	-0.875
			0.9824	0.9824	0.9824	0.9824	0.0016	0.0036	0.0016	0.0016	0.0372	0.005	-0.000	-1.038	-1.038	-0.875
			0.9824	0.9824	0.9824	0.9824	0.0016	0.0016	-0.0004	0.0016	0.0377	0.005	-0.000	-1.168	-1.166	-0.875
			0.9824	0.9824	0.9824	0.9824	-0.0004	0.0016	0.0016	0.0016	0.0367	0.147	-0.000	-1.168	-1.168	-0.908
1424.	01:34	20:40	0.9824	0.9824	0.9824	0.9824	0.0016	0.0057	0.0016	0.0036	0.0372	0.147	-0.000	-1.168	-1.168	-0.940
			0.9824	0.9824	0.9732	0.9824	0.0036	0.0036	0.0016	0.0016	0.0362	0.147	-0.000	-1.168	-1.168	-0.908
			0.9824	0.9915	0.9915	0.9915	-0.0004	0.0057	0.0016	0.0016	0.0372	0.005	-0.000	-1.168	-1.038	-0.875
			0.9824	0.9824	0.9824	0.9824	-0.0004	0.0016	-0.0004	0.0036	0.0372	0.147	-0.000	-1.038	-1.036	-0.875
1425.	01:34	20:47	0.9824	0.9824	0.9824	0.9915	0.0016	0.0016	0.0016	0.0016	0.0372	0.147	-0.000	-1.038	-1.168	-0.875
			0.9915	0.9824	0.9824	0.9824	0.0036	0.0036	0.0016	0.0036	0.0367	0.147	-0.000	-1.168	-1.168	-0.908
			0.9824	0.9824	0.9915	0.9824	0.0016	-0.0004	0.0036	0.0016	0.0367	0.147	-0.000	-1.168	-1.168	-0.875
			0.9732	0.9824	0.9915	0.9824	-0.0004	0.0016	0.0057	-0.0004	0.0377	0.005	-0.000	-1.168	-1.168	-0.908

6.15 NOT CALIBRED UNTIL 14th May 81 UK.

25 MILE 6.6 UNIT

0067

QUALITY CONTROL CHECK

62

TRIP DATE LEG

S FRAME	ELAPSE	GMT	VERG	VERG	VERG	VERG	LATG	LATG	LATG	LATG	LONG	ELEVLI	ELEVRO	RUDUP	RUDUP	RUDLO
1396.	01:33	11:40	1.0282	1.0373	1.0373	1.0282	0.0138	0.0118	0.0138	0.0158	0.1455	1.988	1.499	-0.257	-0.127	-0.094
			1.0373	1.0465	1.0465	1.0282	0.0118	0.0118	0.0118	0.0158	0.1440	0.855	1.798	0.003	-0.257	0.003
			1.0190	1.0190	1.0190	1.0190	0.0199	0.0179	0.0158	0.0138	0.1323	0.430	-0.000	-0.257	-0.908	-0.029
			1.0373	1.0190	1.0007	0.9824	0.0118	0.0179	0.0219	0.0219	0.1130	-0.420	-0.750	-2.079	-2.339	-1.265
1397.	01:33	11:40	0.9549	0.9458	0.9366	0.9274	0.0240	0.0240	0.0199	0.0199	0.0947	0.905	-0.450	-1.819	-1.298	-1.721
			0.9274	0.9366	0.9458	0.9458	0.0179	0.0158	0.0179	0.0158	0.0794	1.280	0.149	-1.168	-1.428	-0.875
			0.9641	0.9732	1.0007	1.0190	0.0138	0.0158	0.0179	0.0158	0.0779	1.422	1.499	-1.298	-1.819	-1.396
			1.0282	1.0282	1.0373	1.0373	0.0158	0.0158	0.0118	0.0158	0.0779	0.855	0.449	-1.688	-1.558	-1.461
1398.	01:33	11:40	1.0373	1.0373	1.0465	1.0373	0.0158	0.0158	0.0179	0.0138	0.0784	0.713	0.149	-1.558	-1.558	-1.371
			1.0282	1.0190	1.0190	1.0098	0.0158	0.0179	0.0158	0.0179	0.0736	0.997	0.149	-1.558	-1.558	-1.331
			1.0007	1.0007	1.0007	1.0007	0.0138	0.0158	0.0158	0.0179	0.0713	0.005	0.749	-1.298	-1.168	-1.135
			0.9915	0.9732	0.9641	0.9549	0.0138	0.0158	0.0158	0.0138	0.0687	0.855	-0.600	-1.039	-0.909	-0.810
1399.	01:33	11:40	0.9549	0.9549	0.9641	0.9732	0.0138	0.0138	0.0118	0.0097	0.0682	1.280	0.749	-0.908	-0.908	-0.712
			0.9732	0.9824	0.9824	0.9824	0.0118	0.0097	0.0138	0.0118	0.0733	1.280	0.749	-1.039	-1.168	-0.810
			0.9915	0.9915	0.9915	0.9915	0.0077	0.0097	0.0097	0.0097	0.0774	0.280	-0.000	-1.168	-0.908	-1.038
			0.9915	0.9824	0.9824	0.9732	0.0077	0.0057	0.0057	0.0016	0.0764	0.005	-0.150	-0.517	-0.127	-0.485
1400.	01:33	11:40	0.9549	0.9641	0.9549	0.9458	0.0036	0.0036	-0.0004	-0.0025	0.0728	0.289	-0.150	0.003	0.264	0.003
			0.9458	0.9366	0.9458	0.9458	-0.0025	-0.0025	-0.0045	-0.0045	0.0708	0.430	-0.000	0.003	-0.127	0.264
			0.9458	0.9458	0.9641	0.9732	-0.0025	-0.0004	0.0036	0.0016	0.0703	0.713	0.899	-0.387	-0.908	-0.290
			0.9732	0.9732	0.9641	0.9641	0.0036	0.0057	0.0057	0.0057	0.0697	0.147	-0.750	-1.298	-1.428	-1.005
1401.	01:33	11:40	0.9549	0.9549	0.9549	0.9458	0.0077	0.0097	0.0057	0.0057	0.0682	0.005	-0.000	-1.558	-1.298	-1.396
			0.9458	0.9458	0.9458	0.9549	0.0057	0.0057	0.0097	0.0036	0.0667	0.289	-0.150	-1.038	-0.127	-0.940
			0.9549	0.9549	0.9641	0.9549	0.0036	0.0016	-0.0025	-0.0045	0.0601	0.430	-0.000	0.264	0.264	0.101
			0.9641	0.9641	0.9732	0.9732	-0.0045	-0.0004	-0.0004	-0.0004	0.0530	0.572	-0.000	0.003	-0.127	0.165
1402.	01:33	11:40	0.9742	0.9732	0.9732	0.9824	-0.0004	0.0016	0.0036	0.0036	0.0448	1.138	-0.000	-0.517	-0.908	-0.224
			0.9915	0.9915	1.0007	1.0098	0.0057	0.0097	0.0097	0.0118	0.0408	MIN 0.005	0.449	-1.298	-1.558	-0.940
			1.0190	1.0190	1.0098	0.9824	0.0118	0.0138	0.0158	0.0179	0.0321	-4.386	-0.000	-1.688	-1.428	-1.428
			0.9458	0.9366	0.9274	0.9274	0.0179	0.0199	0.0158	0.0158	0.0153	1.847	-0.300	-1.298	-0.908	-1.200
1403.	01:33	11:40	0.9366	0.9458	0.9641	0.9641	0.0158	0.0158	0.0158	0.0158	0.0087	0.005	0.899	-0.777	-0.777	-0.550
			0.9641	0.9732	0.9824	0.9824	0.0158	0.0158	0.0158	0.0138	0.0062	0.997	0.299	-0.647	-0.517	-0.470
			0.9824	0.9732	0.9915	1.0007	0.0138	0.0138	0.0138	0.0097	0.0082	4.396	0.599	-0.517	-0.387	-0.257
			1.0098	1.0282	1.0556	1.0648	0.0097	0.0097	0.0077	0.0077	0.0199	2.130	2.248	-0.517	-0.647	-0.257
1404.	01:33	11:40	1.0648	1.0556	1.0556	1.0556	0.0077	0.0057	0.0036	0.0057	0.0255	1.988	1.049	-0.908	-0.777	-0.660
			1.0556	1.0465	1.0465	1.0465	0.0057	0.0036	0.0016	-0.0004	0.0280	2.555	0.899	-0.127	0.003	-0.290
			1.0373	1.0282	1.0282	1.0190	-0.0025	-0.0045	-0.0065	-0.0065	0.0346	1.705	1.199	0.003	0.003	0.003
			1.0282	1.0282	1.0282	1.0282	-0.0086	-0.0086	-0.0106	-0.0086	0.0504	0.855	0.749	-0.387	-0.908	-0.290
1405.	01:33	11:40	1.0190	1.0098	1.0190	1.0190	-0.0086	-0.0065	-0.0045	-0.0025	0.0586	0.572	0.149	-1.168	-1.038	-0.973
			1.0190	1.0190	1.0190	1.0098	-0.0045	-0.0025	-0.0045	-0.0045	0.0677	0.005	-0.000	-0.908	-0.908	-0.745
			1.0007	0.9915	0.9915	0.9915	-0.0045	-0.0025	-0.0025	0.0036	0.0713	0.005	-0.000	-1.038	-1.168	-0.777
			0.9915	0.9915	0.9915	0.9824	0.0036	0.0016	-0.0004	0.0036	0.0733	-0.703	-0.000	-1.038	-0.908	-0.940
1406.	01:33	11:40	0.9732	0.9641	0.9641	0.9549	-0.0004	0.0016	0.0077	0.0036	0.0723	-0.278	-0.450	-0.777	-0.647	-0.615
			0.9458	0.9458	0.9549	0.9549	0.0057	0.0016	0.0016	0.0016	0.0718	0.289	-0.150	-0.517	-0.387	-0.322
			0.9549	0.9641	0.9732	0.9732	0.0036	0.0016	0.0016	0.0077	0.0753	-0.136	-0.000	-0.517	-0.647	-0.290
			0.9824	0.9824	0.9824	0.9824	0.0077	0.0057	0.0057	0.0118	0.0769	0.005	-0.000	-0.777	-0.777	-0.550
1407.	01:33	11:40	0.9824	0.9824	0.9824	0.9732	0.0077	0.0077	0.0077	0.0097	0.0779	0.005	-0.000	-0.777	-0.777	-0.582
			0.9824	0.9824	0.9915	0.9915	0.0097	0.0118	0.0118	0.0138	0.0799	0.572	-0.000	-0.777	-0.908	-0.550
			0.9915	0.9915	0.9915	0.9915	0.0158	0.0138	0.0138	0.0158	0.0799	0.572	-0.000	-1.038	-1.038	-0.777
			1.0007	0.9915	1.0007	1.0007	0.0138	0.0138	0.0158	0.0138	0.0830	0.430	0.149	-1.038	-0.908	-0.680
1408.	01:33	11:41	0.9915	0.9915	0.9915	0.9824	0.0179	0.0138	0.0118	0.0138	0.0738	1.280	0.149	-0.908	-0.908	-0.547
			0.9824	0.9915	1.0007	1.0007	0.0158	0.0118	0.0158	0.0158	0.0601	2.696	1.049	-0.908	-0.908	-0.615
			1.0098	1.0098	1.0190	MIN 1.6232	0.0118	0.0138	0.0138	0.0280	0.0382	MIN 2.980	1.649	-0.908	-0.777	-0.615
			MAX 2.0251	1.4218	0.6070	0.5429	0.0809	-0.0310	0.0240	-0.1205	-0.1235	8.929	0.899	-0.908	-0.517	-0.908
1409.	01:33	11:41	1.1929	1.3394	0.8084	0.7993	-0.0249	-0.0879	-0.0798	-0.0249	-0.0177	4.679	9.294	MAX 0.264	-1.298	-0.745
			1.0648	0.9366	1.0556	1.0556	-0.0269	-0.8285	-0.0472	0.0341	0.1343	1.705	10.643	-2.079	-1.688	-2.040
			1.0282	1.0373	1.0190	1.0739	0.0850	-0.0188	0.0016	-0.0310	0.2401	9.637	0.149	-1.291	MIN -5.592	-3.055
			1.0556	0.9915	0.9458	0.8817	MAX 0.0016	-0.0228	-0.0147	-0.0208	0.1893	6.804	0.149	-2.990	-2.469	-4.063
1410.	01:33	11:41	0.8359	0.8084	0.7810	0.7718	-0.0025	-0.0106	-0.0025	-0.0025	0.1053	13.461	MAX 0.149	-2.729	-4.551	-2.677
			0.7993	0.8176	0.8542	0.8908	-0.0004	-0.0045	0.0077	0.0016	0.1282	7.569	0.149	-4.551	-4.421	-4.421
			0.9366	0.9915	1.0465	1.0739	0.0138	0.0077	0.0158	0.0118	0.2503	8.787	0.149	-3.250	-2.339	-4.369
			1.0922	1.0922	1.1014	1.0739	0.0158	0.0036	0.0077	-0.0045	0.3312	6.804	0.149	-0.387	0.394	-3.640

MIN

QUALITY CONTROL CHECK

61

09-[illegible]-79 WESTERN AIRLINES DC-10 AT MEXICO CITY, 31-OCT-79

TRIP	DATE	LEG														
SEPAR	LAPSE	GMT	VERG	VERG	VERG	VERG	LATG	LATG	LATG	LATG	LONG	ELEVLI	ELEVRO	RUDUP	RUDUP	RUDLO
1381.	01:32	11:39	1.0373	1.0282	1.0282	1.0190	0.0097	0.0077	0.0077	0.0077	0.0377	-0.136	-0.450	-0.908	-0.777	-0.582
			1.0098	1.0098	1.0007	0.9824	0.0077	0.0057	0.0057	0.0036	0.0438	-1.553	-0.900	-0.777	-0.777	-0.511
			0.9641	0.9366	0.9366	0.9274	0.0057	0.0057	0.0077	0.0057	0.0402	-0.278	-1.649	-0.908	-0.908	-0.582
			0.9274	0.9366	0.9458	0.9549	0.0057	0.0077	0.0057	0.0057	0.0413	0.005	-0.600	-0.777	-0.647	-0.582
1382.	01:32	11:39	0.9641	0.9824	1.0007	1.0098	0.0077	0.0057	0.0077	0.0077	0.0484	0.005	-0.150	-0.517	-0.387	-0.322
			1.0190	1.0373	1.0373	1.0373	0.0057	0.0057	0.0077	0.0077	0.0540	-0.420	-0.450	-0.387	-0.517	-0.224
			1.0373	1.0282	1.0190	1.0007	0.0077	0.0097	0.0077	0.0097	0.0494	-1.128	-1.500	-0.647	-0.647	-0.485
			0.9824	0.9732	0.9641	0.9458	0.0118	0.0097	0.0097	0.0118	0.0397	-1.270	-1.949	-0.647	-0.517	-0.420
1383.	01:32	11:39	0.9366	0.9366	0.9366	0.9274	0.0097	0.0097	0.0077	0.0097	0.0306	-1.128	-1.799	-0.517	-0.387	-0.257
			0.9274	0.9366	0.9366	0.9458	0.0077	0.0077	0.0097	0.0057	0.0204	-0.561	-1.350	-0.257	-0.257	-0.094
			0.9458	0.9549	0.9641	0.9641	0.0097	0.0077	0.0097	0.0077	0.0123	0.005	-1.200	-0.257	-0.387	-0.029
			0.9732	0.9824	0.9915	1.0007	0.0097	0.0097	0.0097	0.0097	0.0072	0.005	-0.450	-0.387	-0.387	-0.192
1384.	01:32	11:39	1.0098	1.0098	1.0098	1.0098	0.0097	0.0097	0.0118	0.0118	0.0026	0.005	-0.450	-0.387	-0.517	-0.224
			1.0007	1.0007	0.9824	0.9824	0.0118	0.0097	0.0138	0.0118	-0.0060	1.280	-0.750	-0.647	-0.777	-0.420
			0.9915	1.0098	1.0282	1.0465	0.0138	0.0138	0.0138	0.0158	-0.0045	2.555	1.948	-0.777	-0.647	-0.517
			1.0739	1.0922	1.1289	1.1472	0.0179	0.0158	0.0179	0.0179	0.0138	2.271	2.398	-0.647	-0.777	-0.387
1385.	01:32	11:39	1.1563	1.1655	1.1563	1.1472	0.0158	0.0158	0.0199	0.0199	0.0270	0.997	1.049	-1.168	-1.298	-0.745
			1.1289	1.1105	1.1014	1.0739	0.0199	0.0199	0.0179	0.0138	0.0260	0.430	0.299	-1.038	-0.647	-0.908
			1.0556	1.0373	1.0190	1.0007	0.0138	0.0077	0.0077	0.0077	0.0189	0.713	-0.000	-0.387	-0.257	-0.192
			0.9915	0.9824	0.9732	0.9824	0.0097	0.0057	0.0077	0.0077	0.0138	0.855	0.299	-0.257	-0.387	-0.062
1386.	01:32	11:39	0.9824	0.9824	0.9824	0.9915	0.0036	0.0057	0.0057	0.0077	0.0174	1.422	0.449	-0.387	-0.517	-0.159
			1.0098	1.0190	1.0282	1.0465	0.0057	0.0077	0.0036	0.0036	0.0240	1.705	1.049	-0.647	-0.777	-0.420
			1.0465	1.0556	1.0556	1.0556	0.0057	0.0077	0.0036	0.0077	0.0285	0.855	0.899	-0.908	-1.038	-0.680
			1.0465	1.0373	1.0282	1.0098	0.0097	0.0077	0.0077	0.0118	0.0245	1.138	0.449	-1.038	-1.168	-0.810
1387.	01:32	11:39	1.0098	1.0098	1.0098	1.0098	0.0138	0.0118	0.0158	0.0158	0.0224	1.280	0.749	-1.298	-1.819	-0.940
			1.0190	1.0282	1.0373	1.0465	0.0179	0.0199	0.0240	0.0240	0.0179	1.422	0.899	-2.599	-3.120	-1.949
			1.0465	1.0373	1.0282	1.0098	0.0219	0.0240	0.0260	0.0260	0.0102	0.430	0.149	-3.250	-2.729	-2.729
			0.9915	0.9732	0.9641	0.9549	0.0199	0.0240	0.0199	0.0179	0.0016	1.563	-0.000	-1.949	-1.428	-1.721
1388.	01:32	11:39	0.9549	0.9641	0.9732	0.9915	0.0199	0.0158	0.0138	0.0138	0.0016	2.413	1.948	-1.298	-1.428	-0.908
			1.0098	1.0282	1.0282	1.0282	0.0138	0.0118	0.0158	0.0138	0.0036	1.988	1.798	-1.688	-1.819	-1.265
			1.0282	1.0282	1.0282	1.0098	0.0138	0.0138	0.0097	0.0077	0.0026	0.713	1.049	-1.819	-1.688	-1.461
			0.9915	0.9732	0.9549	0.9366	0.0097	0.0057	0.0036	0.0036	-0.0076	0.299	-0.450	-1.428	-0.777	-1.233
1389.	01:32	11:39	0.9183	0.9091	0.9000	0.9000	0.0016	0.0016	0.0057	-0.0004	-0.0177	1.647	-0.000	-0.127	0.264	-0.127
			0.9000	0.9091	0.9183	0.9274	-0.0025	-0.0025	-0.0025	-0.0045	-0.0193	2.980	2.098	0.394	-0.127	0.394
			0.9366	0.9549	0.9732	0.9824	-0.0025	-0.0025	-0.0004	0.0016	-0.0096	2.696	2.548	-0.908	-1.168	-0.550
			0.9915	1.0007	1.0098	1.0190	0.0016	0.0016	0.0036	0.0016	-0.0020	1.988	2.098	-0.777	-0.127	-1.038
1390.	01:32	11:39	1.0098	1.0007	0.9915	0.9824	0.0016	-0.0004	-0.0004	-0.0004	-0.0020	1.705	1.199	0.003	0.003	0.003
			0.9732	0.9549	0.9458	0.9366	-0.0025	0.0016	-0.0004	0.0016	-0.0081	2.130	1.199	0.003	-0.257	0.003
			0.9366	0.9274	0.9274	0.9274	-0.0025	-0.0004	-0.0004	0.0016	-0.0086	2.271	1.798	-0.387	-0.517	-0.290
			0.9366	0.9274	0.9366	0.9366	0.0016	0.0036	0.0036	0.0016	-0.0076	3.121	1.948	-0.517	-0.127	-0.452
1391.	01:32	11:39	0.9458	0.9549	0.9641	0.9732	0.0016	0.0036	0.0036	0.0016	-0.0030	3.263	2.848	-0.127	0.003	0.003
			0.9824	0.9915	1.0007	1.0007	-0.0004	0.0016	0.0036	0.0036	0.0031	3.263	2.848	-0.127	-0.517	-0.029
			1.0007	1.0007	1.0098	1.0007	0.0016	0.0057	0.0036	0.0057	0.0046	2.696	2.548	-0.777	-1.038	-0.582
			0.9915	0.9915	0.9915	0.9732	0.0077	0.0077	0.0057	0.0077	0.0031	2.271	2.098	-1.168	-1.428	-1.005
1392.	01:32	11:39	0.9641	0.9641	0.9732	0.9641	0.0097	0.0057	0.0036	0.0077	-0.0010	2.696	2.248	-1.558	-1.558	-1.299
			0.9641	0.9641	0.9641	0.9458	0.0057	0.0057	0.0057	0.0036	-0.0086	2.696	2.245	-1.428	-1.038	-1.166
			0.9549	0.9549	0.9549	0.9549	0.0036	0.0036	0.0016	-0.0025	-0.0152	2.696	2.248	-0.517	0.003	-0.485
			0.9549	0.9641	0.9641	0.9519	-0.0004	-0.0004	-0.0025	-0.0045	-0.0182	3.971	2.398	0.264	0.524	0.166
1393.	01:32	11:40	0.9641	0.9732	1.0007	1.0098	-0.0045	-0.0065	-0.0045	-0.0045	-0.0101	4.538	4.947	0.524	0.003	0.654
			1.0282	1.0282	1.0373	1.0465	-0.0004	-0.0004	0.0016	0.0036	0.0011	4.821	4.047	-0.257	-0.647	0.003
			1.0465	1.0556	1.0556	1.0556	0.0097	0.0077	0.0097	0.0097	0.0067	4.254	4.647	-0.777	-0.777	-0.615
			1.0556	1.0465	1.0465	1.0373	0.0118	0.0118	0.0118	0.0119	0.0087	3.546	3.447	-0.647	-0.127	-0.582
1394.	01:32	11:40	1.0282	1.0190	1.0190	1.0098	0.0118	0.0118	0.0138	0.0138	0.0143	3.546	3.148	0.003	0.003	0.003
			1.0098	1.0098	1.0190	1.0098	0.0138	0.0138	0.0138	0.0116	0.0326	3.121	3.148	0.003	0.394	0.166
			1.0098	1.0098	1.0282	1.0282	0.0097	0.0118	0.0118	0.0097	0.0525	3.688	3.298	0.524	0.394	0.555
			1.0373	1.0373	1.0465	1.0465	0.0138	0.0118	0.0118	0.0118	0.0855	2.838	2.848	0.394	0.394	0.524
1395.	01:32	11:40	1.0556	1.0465	1.0556	1.0556	0.0138	0.0118	0.0118	0.0118	0.1303	1.705	1.948	0.394	0.264	0.524
			1.0465	1.0282	1.0098	0.9915	0.0138	0.0158	0.0158	0.0138	0.1425	1.705	-0.000	0.133	0.003	0.381
			0.9915	0.9915	1.0007	1.0007	0.0179	0.0138	0.0179	0.0179	0.1420	2.696	2.098	-0.257	-0.517	-0.029
			1.0098	1.0190	1.0282	1.0282	0.0118	0.0138	0.0179	0.0158	0.1460	1.988	1.798	-0.647	-0.517	-0.355

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QUALITY CONTROL CHECK

IRIG DATE GPS

S FRAME	LAPSE	GPS	VERG	VERG	VERG	VERG	LATG	LATG	LATG	LATG	LONG	ELEVLI	ELEVRO	RUDUP	RUDUP	RUDLO
1366.	01:31	11:38	1.0373	1.0373	1.0373	1.0465	0.0097	0.0097	0.0036	0.0077	0.0184	0.997	-0.000	-0.517	-0.517	-0.257
			1.0465	1.0465	1.0556	1.0465	0.0057	0.0077	0.0057	0.0077	0.0199	0.713	0.149	-0.647	-0.908	-0.355
			1.0556	1.0556	1.0373	1.0282	0.0097	0.0077	0.0057	0.0077	0.0184	0.572	0.149	-0.908	-0.777	-0.647
			1.0373	1.0373	1.0282	1.0282	0.0097	0.0077	0.0057	0.0097	0.0209	0.997	0.149	-0.777	-0.647	-0.485
1367.	01:31	11:38	1.0373	1.0373	1.0465	1.0373	0.0057	0.0057	0.0097	0.0036	0.0270	0.855	0.149	-0.777	-0.777	-0.452
			1.0373	1.0373	1.0373	1.0373	0.0057	0.0097	0.0057	0.0138	0.0402	0.430	0.149	-0.908	-1.038	-0.615
			1.0465	1.0373	1.0373	1.0282	0.0118	0.0097	0.0097	0.0138	0.0550	0.147	-0.000	-1.038	-0.908	-0.777
			1.0282	1.0190	1.0190	1.0190	0.0118	0.0118	0.0118	0.0118	0.0631	0.430	-0.000	-0.777	-0.647	-0.517
1368.	01:31	11:38	1.0190	1.0190	1.0190	1.0190	0.0097	0.0097	0.0057	0.0097	0.0667	0.713	-0.000	-0.517	-0.517	-0.290
			1.0190	1.0098	1.0190	1.0190	0.0097	0.0097	0.0097	0.0097	0.0692	0.997	-0.000	-0.517	-0.647	-0.290
			1.0190	1.0282	1.0282	1.0373	0.0097	0.0097	0.0097	0.0097	0.0713	0.572	0.149	-0.647	-0.647	-0.387
			1.0373	1.0373	1.0373	1.0373	0.0097	0.0097	0.0097	0.0077	0.0728	0.147	0.149	-0.777	-0.647	-0.452
1369.	01:31	11:38	1.0373	1.0282	1.0282	1.0190	0.0077	0.0077	0.0036	0.0057	0.0738	0.147	-0.000	-0.647	-0.517	-0.387
			1.0190	1.0098	1.0098	1.0007	0.0057	0.0036	0.0036	0.0016	0.0758	0.147	-0.000	-0.387	-0.127	-0.224
			1.0007	1.0007	1.0007	0.9915	0.0016	-0.0004	-0.0025	-0.0025	0.0779	0.855	-0.000	-0.127	0.003	0.003
			0.9915	1.0007	1.0007	1.0007	-0.0025	-0.0045	-0.0025	-0.0045	0.0835	0.713	-0.000	0.003	0.003	0.003
1370.	01:31	11:38	1.0007	1.0007	1.0098	1.0098	-0.0025	-0.0065	-0.0045	-0.0045	0.0901	0.855	0.149	0.003	0.003	0.003
			1.0098	1.0098	1.0098	1.0098	-0.0045	-0.0065	-0.0065	-0.0045	0.0972	1.422	0.149	0.133	0.264	0.101
			1.0190	1.0282	1.0373	1.0373	-0.0025	-0.0004	-0.0025	-0.0045	0.1048	1.563	0.449	0.394	0.394	0.361
			1.0373	1.0465	1.0465	1.0465	-0.0025	-0.0004	-0.0004	0.0016	0.1099	1.138	0.749	0.003	0.003	0.198
1371.	01:31	11:38	1.0465	1.0465	1.0465	1.0373	0.0036	0.0036	0.0097	0.0097	0.1130	1.422	0.599	-0.257	-0.257	-0.029
			1.0373	1.0373	1.0465	1.0373	0.0097	0.0118	0.0097	0.0097	0.1155	0.855	0.599	-0.127	0.003	-0.062
			1.0465	1.0465	1.0556	1.0465	0.0138	0.0118	0.0118	0.0118	0.1186	-0.136	0.299	-0.127	-0.257	-0.029
			1.0465	1.0465	1.0465	1.0282	0.0138	0.0158	0.0158	0.0158	0.1181	0.005	-0.000	-0.387	-0.517	-0.127
1372.	01:31	11:38	1.0282	1.0282	1.0282	1.0282	0.0179	0.0179	0.0158	0.0138	0.1181	-0.278	-0.000	-0.517	-0.517	-0.224
			1.0282	1.0190	1.0190	1.0190	0.0179	0.0138	0.0158	0.0158	0.1176	-0.703	-0.000	-0.517	-0.517	-0.192
			1.0190	1.0098	1.0190	1.0098	0.0118	0.0138	0.0138	0.0138	0.1165	-0.420	-0.300	-0.517	-0.647	-0.192
			1.0098	1.0007	1.0098	1.0098	0.0138	0.0138	0.0118	0.0118	0.1170	-0.703	-0.150	-0.647	-0.777	-0.387
1373.	01:31	11:38	1.0007	1.0007	1.0098	0.9915	0.0138	0.0118	0.0118	0.0138	0.1201	-0.845	-0.300	-0.777	-0.647	-0.452
			0.9915	0.9915	1.0007	0.9915	0.0118	0.0097	0.0077	0.0097	0.1181	-3.819	-0.300	-0.517	-0.517	-0.420
			0.9549	0.9274	0.9183	0.9091	0.0097	0.0097	0.0077	0.0077	0.1089	-3.111	MAX -2.049	-0.517	-0.517	-0.420
			0.8908	0.8634	0.8450	0.8359	0.0077	0.0057	0.0057	0.0097	0.1003	-0.703	-1.949	-0.647	-0.647	-0.485
1374.	01:31	11:38	0.8359	0.8359	0.8450	0.8450	0.0077	0.0077	0.0077	0.0077	0.0962	-0.703	-0.150	-0.777	-0.908	-0.582
			0.8725	0.8634	0.8908	0.8817	0.0057	0.0057	0.0057	0.0036	0.0957	-0.703	-0.150	-0.908	-0.777	-0.582
			0.9000	0.8908	0.8908	0.8725	-0.0004	0.0016	0.0016	0.0016	0.0850	-1.836	-0.600	-0.777	-0.777	-0.517
			0.8634	0.8542	0.8725	0.8634	-0.0025	-0.0025	-0.0045	-0.0086	0.0723	0.005	-0.450	-0.257	0.003	-0.290
1375.	01:31	11:38	0.8817	0.8817	0.8908	0.8908	-0.0127	-0.0127	-0.0147	-0.0147	0.0596	0.289	-0.000	0.394	0.524	0.459
			0.8908	0.8908	0.9000	0.9183	-0.0167	-0.0188	-0.0147	-0.0167	0.0474	2.980	0.149	0.524	0.524	0.589
			0.9366	0.9549	0.9549	0.9549	-0.0167	-0.0188	-0.0167	-0.0167	0.0397	2.413	1.049	0.784	1.044	0.654 MAX
			0.9732	1.0007	1.0190	1.0282	-0.0147	-0.0147	-0.0167	-0.0167	0.031	3.405	1.649 MAX	1.435	1.435	1.207
1376.	01:31	11:38	1.0465	1.0556	1.0648	1.0648	-0.0167	-0.0106	-0.0086	-0.0065	0.0209	3.546	1.798	0.914	0.654	1.012
			1.0648	1.0831	1.1014	1.1105	-0.0045	-0.0004	0.0016	0.0036	0.0153	2.696	2.098	0.524	0.524	0.296
			1.1014	1.1014	1.1014	1.0922	0.0036	0.0016	0.0036	0.0016	0.0107	2.413	1.049	0.914	1.044	0.654
			1.1014	1.0922	1.0831	1.0922	0.0016	0.0057	0.0036	0.0036	0.0107	4.679	1.049	1.044	0.914	0.914
1377.	01:31	11:38	1.1105	1.1380	1.1380	1.1380	0.0057	0.0036	0.0016	0.0036	0.0163	1.280	1.948	0.914	0.914	0.849
			1.1380	1.1380	1.1289	1.1197	0.0036	0.0016	-0.0004	-0.0025	0.0158	1.563	0.449	0.914	0.784	0.817
			1.1197	1.1197	1.1197	1.1197	-0.0004	-0.0025	0.0016	0.0016	0.0143	0.005	0.449	0.264	0.003	0.491
			1.1197	1.1105	1.1014	1.0922	0.0036	-0.0025	0.0036	0.0016	0.0097	-0.136	-0.150	-0.257	-0.517	0.003
1378.	01:31	11:39	1.0922	1.0831	1.0739	1.0648	0.0057	0.0057	0.0118	-0.0025	0.0036	-0.561	-0.150	-0.777	-0.777	-0.387
			1.0648	1.0648	1.0648	1.0556	-0.0045	0.0077	0.0057	0.0036	0.0031	-0.845	-0.300	-0.777	-0.777	-0.420
			1.0556	1.0556	1.0465	1.0373	0.0036	0.0036	0.0077	0.0077	0.0011	-1.411	-0.450	-0.777	-0.777	-0.420
			1.0373	1.0373	1.0373	1.0190	0.0077	0.0097	0.0077	0.0097	-0.0015	-0.986	-0.600	-0.908	-1.038	-0.615
1379.	01:31	11:39	1.0007	1.0007	1.0007	1.0007	0.0118	0.0138	0.0097	0.0118	-0.0060	-0.986	-0.000	-1.428	-1.558	-0.940
			1.0098	1.0098	1.0007	1.0007	0.0118	0.0158	0.0158	0.0158	-0.0045	-1.270	-0.300	-1.688	-1.688	-1.233
			1.0007	1.0007	1.0007	0.9915	0.0158	0.0158	0.0138	0.0138	-0.0055	-0.845	-0.300	-1.688	-1.428	-1.166
			0.9824	0.9732	0.9824	0.9824	0.0118	0.0158	0.0138	0.0138	-0.0050	0.855	-0.150	-1.168	-0.908	-0.777
1380.	01:31	11:39	1.0007	1.0098	1.0282	1.0373	0.0118	0.0138	0.0097	0.0118	0.0031	0.430	-0.000	-0.777	-0.777	-0.322
			1.0465	1.0556	1.0556	1.0556	0.0097	0.0097	0.0097	0.0118	0.0087	0.289	-0.000	-1.038	-1.428	-0.615
			1.0556	1.0556	1.0556	1.0556	0.0118	0.0158	0.0118	0.0118	0.0153	0.289	-0.000	-1.688	-1.558	-1.233
			1.0465	1.0465	1.0465	1.0373	0.0138	0.0118	0.0097	0.0097	0.0260	0.147	-0.000	-1.428	-1.038	-1.103

0070

QUALITY CONTROL CHECK

59

TRIP	DATE	LEG														
S FRAME	GMT	GPI	VERG	VERG	VERG	VERG	LATG	LATG	LATG	LATG	LONG	ELEVLI	ELEVRO	RUDUP	RUDUP	RUDLO
1351.	01:30	11:37	0.9915	0.9824	0.9915	1.0007	0.0077	0.0097	0.0097	0.0077	0.0194	1.138	0.449	-0.647	-0.647	-0.550
			1.0007	1.0007	1.0007	1.0007	0.0097	0.0097	0.0097	0.0097	0.0352	0.147	0.299	-0.777	-0.777	-0.550
			1.0007	0.9915	0.9915	0.9915	0.0097	0.0097	0.0097	0.0077	0.0428	0.713	-0.000	-0.647	-0.647	-0.420
			0.9824	0.9824	0.9824	0.9915	0.0097	0.0077	0.0077	0.0077	0.0458	0.997	-0.000	-0.647	-0.647	-0.322
1352.	01:30	11:37	0.9915	0.9915	1.0007	1.0007	0.0077	0.0077	0.0097	0.0077	0.0484	0.713	-0.000	-0.647	-0.777	-0.420
			1.0007	1.0098	1.0098	1.0007	0.0077	0.0097	0.0097	0.0118	0.0504	0.855	-0.000	-0.777	-0.777	-0.517
			1.0007	1.0007	1.0007	1.0007	0.0097	0.0097	0.0097	0.0097	0.0499	1.138	-0.000	-0.777	-0.647	-0.452
			1.0007	1.0007	1.0007	1.0007	0.0118	0.0097	0.0097	0.0077	0.0504	0.997	0.149	-0.647	-0.647	-0.355
1353.	01:30	11:37	1.0007	1.0007	1.0098	1.0098	0.0118	0.0097	0.0097	0.0077	0.0514	-1.836	0.149	-0.647	-0.647	-0.355
			0.9915	0.9549	0.9274	0.9183	0.0097	0.0077	0.0077	0.0077	0.0463	0.005	-1.500	-0.647	-0.647	-0.420
			0.9091	0.9000	0.8908	0.8817	0.0077	0.0097	0.0077	0.0077	0.0413	-0.845	-0.450	-0.647	-0.647	-0.387
			0.8817	0.8817	0.8908	0.8908	0.0077	0.0077	0.0077	0.0077	0.0423	-0.561	-0.300	-0.647	-0.647	-0.387
1354.	01:30	11:37	0.9916	0.9091	0.9183	0.9183	0.0097	0.0057	0.0077	0.0077	0.0458	-0.420	-0.150	-0.777	-0.777	-0.452
			0.9274	0.9274	0.9366	0.9366	0.0097	0.0077	0.0077	0.0097	0.0489	0.005	-0.150	-0.777	-0.777	-0.550
			0.9458	0.9458	0.9549	0.9549	0.0077	0.0097	0.0097	0.0057	0.0504	-0.278	-0.000	-0.777	-0.777	-0.485
			0.9549	0.9549	0.9549	0.9458	0.0077	0.0097	0.0077	0.0077	0.0494	-0.136	-0.000	-0.777	-0.777	-0.452
1355.	01:30	11:37	0.9458	0.9458	0.9458	0.9458	0.0097	0.0077	0.0077	0.0097	0.0438	-0.136	-0.000	-0.647	-0.647	-0.452
			0.9458	0.9549	0.9549	0.9549	0.0077	0.0077	0.0077	0.0097	0.0352	0.005	-0.000	-0.777	-0.777	-0.452
			0.9549	0.9549	0.9641	0.9641	0.0077	0.0057	0.0057	0.0077	0.0179	0.005	-0.000	-0.777	-0.777	-0.517
			0.9641	0.9549	0.9641	0.9641	0.0057	0.0036	0.0057	0.0036	0.0041	0.147	-0.000	-0.777	-0.647	-0.550
1356.	01:30	11:37	0.9641	0.9641	0.9641	0.9641	0.0016	0.0036	0.0016	0.0016	-0.0020	0.572	-0.000	-0.387	-0.257	-0.257
			0.9641	0.9641	0.9641	0.9641	0.0036	0.0016	-0.0025	-0.0065	-0.0035	0.713	-0.000	-0.127	0.003	0.003
			0.9641	0.9641	0.9641	0.9641	-0.0045	-0.0045	-0.0045	-0.0025	-0.0045	1.138	-0.000	0.003	-0.127	0.003
			0.9641	0.9732	0.9732	0.9641	-0.0025	-0.0045	-0.0025	-0.0045	-0.0035	1.138	0.149	0.003	0.003	0.003
1357.	01:30	11:37	0.9732	0.9732	0.9824	0.9824	-0.0045	-0.0065	-0.0065	-0.0065	-0.0015	1.705	0.299	0.003	0.133	0.101
			0.9824	0.9824	0.9915	0.9915	-0.0086	-0.0086	-0.0086	-0.0086	0.0016	2.271	0.599	0.133	0.133	0.264
			1.0007	1.0098	1.0098	1.0190	-0.0086	-0.0086	-0.0086	-0.0045	0.0051	2.271	1.049	0.133	0.264	0.231
			1.0282	1.0373	1.0465	1.0465	-0.0045	-0.0086	-0.0045	-0.0025	0.0092	1.847	1.049	0.394	0.264	0.296
1358.	01:30	11:37	1.0465	1.0465	1.0465	1.0465	-0.0065	-0.0004	-0.0025	-0.0004	0.0102	1.138	0.599	0.003	-0.127	0.003
			1.0465	1.0465	1.0465	1.0465	0.0036	0.0036	0.0057	0.0057	0.0128	0.572	0.299	-0.127	-0.127	-0.159
			1.0465	1.0465	1.0556	1.0465	0.0057	0.0077	0.0077	0.0118	0.0173	0.005	-0.000	-0.257	-0.257	-0.029
			1.0373	1.0373	1.0465	1.0373	0.0097	0.0097	0.0077	0.0097	0.0128	0.005	-0.000	-0.387	-0.387	-0.029
1359.	01:30	11:37	1.0282	1.0282	1.0282	1.0190	0.0077	0.0077	0.0097	0.0077	0.0118	-0.136	-0.000	-0.647	-0.777	-0.257
			1.0190	1.0190	1.0190	1.0098	0.0118	0.0097	0.0097	0.0097	0.0092	-0.136	-0.000	-0.908	-0.908	-0.485
			1.0098	1.0007	1.0098	1.0098	0.0057	0.0077	0.0097	0.0077	0.0077	-0.420	-0.150	-0.777	-0.777	-0.452
			1.0007	1.0007	1.0007	0.9915	0.0077	0.0057	0.0057	0.0057	0.0067	-0.420	-0.150	-0.777	-0.908	-0.452
1360.	01:30	11:37	0.9915	0.9915	0.9915	0.9915	0.0057	0.0057	0.0036	0.0036	0.0062	-0.420	-0.300	-0.908	-0.908	-0.517
			0.9824	0.9824	0.9915	0.9915	0.0057	0.0016	0.0036	0.0016	0.0067	-0.420	-0.300	-1.038	-1.038	-0.647
			0.9824	0.9824	0.9824	0.9732	0.0036	0.0036	0.0057	0.0016	0.0051	-1.270	-0.300	-1.038	-1.038	-0.843
			0.9641	0.9549	0.9458	0.9458	0.0057	0.0057	0.0077	0.0036	0.0031	0.713	-0.450	-1.038	-1.038	-0.843
1361.	01:30	11:37	0.9458	0.9458	0.9549	0.9549	0.0016	0.0036	0.0016	0.0077	0.0041	0.147	-0.000	-0.908	-1.038	-0.615
			0.9549	0.9549	0.9641	0.9641	0.0077	0.0057	0.0057	0.0057	0.0051	0.147	-0.000	-0.908	-0.908	-0.680
			0.9732	0.9641	0.9732	0.9732	0.0057	0.0057	0.0016	0.0036	0.0082	0.572	-0.000	-0.908	-0.777	-0.582
			0.9641	0.9641	0.9732	0.9732	0.0016	-0.0004	0.0036	0.0016	0.0097	0.572	-0.000	-0.777	-0.777	-0.517
1362.	01:30	11:37	0.9641	0.9641	0.9641	0.9641	-0.0004	0.0016	0.0036	-0.0025	0.0113	0.572	-0.000	-0.517	-0.127	-0.420
			0.9641	0.9641	0.9732	0.9732	-0.0004	-0.0004	-0.0025	-0.0004	0.0128	1.136	-0.000	0.003	0.003	0.003
			0.9732	0.9732	0.9824	0.9824	-0.0025	-0.0045	-0.0065	-0.0025	0.0133	1.280	0.149	0.133	0.133	0.265
			0.9915	0.9915	0.9915	1.0007	-0.0065	-0.0065	-0.0065	-0.0045	0.0158	1.280	0.299	0.003	0.003	0.166
1363.	01:30	11:38	1.0007	1.0007	1.0007	1.0007	-0.0065	-0.0065	-0.0065	-0.0086	0.0174	1.705	0.449	0.003	0.133	0.068
			1.0007	1.0007	1.0190	1.0190	-0.0065	-0.0065	-0.0045	-0.0045	0.0189	2.130	0.599	0.264	0.654	0.495
			1.0190	1.0282	1.0373	1.0465	-0.0065	-0.0065	-0.0065	-0.0025	0.0209	1.563	0.899	0.784	0.394	0.654
			1.0465	1.0556	1.0556	1.0465	-0.0045	-0.0025	0.0016	-0.0004	0.0235	0.713	0.449	0.003	-0.127	0.068
1364.	01:30	11:38	1.0465	1.0373	1.0373	1.0282	0.0016	0.0057	0.0036	0.0057	0.0184	0.997	0.149	-0.127	-0.257	-0.029
			1.0282	1.0282	1.0282	1.0373	0.0077	0.0057	0.0097	0.0118	0.0179	1.847	0.149	-0.257	-0.257	-0.029
			1.0465	1.0556	1.0739	1.0739	0.0118	0.0158	0.0158	0.0158	0.0219	0.997	0.749	-0.257	-0.257	-0.029
			1.0739	1.0831	1.0739	1.0739	0.0158	0.0179	0.0138	0.0158	0.0240	0.572	0.299	-0.257	-0.127	-0.029
1365.	01:30	11:38	1.0739	1.0648	1.0648	1.0465	0.0179	0.0138	0.0199	0.0179	0.0209	0.572	-0.000	-0.127	0.003	0.003
			1.0465	1.0465	1.0373	1.0373	0.0158	0.0138	0.0138	0.0097	0.0174	0.430	-0.000	0.003	-0.127	0.003
			1.0373	1.0373	1.0465	1.0465	0.0158	0.0097	0.0118	0.0118	0.0168	0.855	-0.000	-0.127	-0.387	0.003
			1.0373	1.0282	1.0373	1.0282	0.0097	0.0097	0.0097	0.0097	0.0138	0.855	-0.000	-0.517	-0.517	-0.192

0071

QUALITY CONTROL CHECK

58

TRIP DATE LEG

S FRAME	TIME	GAI	VERG	VERG	VERG	VERG	LATG	LATG	LATG	LATG	LONG	ELEVLI	ELEVRO	RUDUP	RUDUP	RUDLO
1336.	01:29	11:36	1.0007	1.0007	1.0007	1.0007	0.0057	0.0057	0.0077	0.0097	0.0026	0.997	-0.000	-0.908	-1.038	-0.615
			0.9915	0.9915	0.9915	0.9915	0.0158	0.0199	0.0219	0.0199	0.0031	1.138	-0.000	-1.038	-0.777	-0.712
			0.9824	0.9732	0.9732	0.9732	0.0219	0.0179	0.0158	0.0138	0.0016	1.422	-0.000	-0.517	-0.387	-0.322
			0.9732	0.9824	0.9915	0.9915	0.0138	0.0118	0.0097	0.0077	0.0051	1.138	-0.000	-0.387	-0.387	-0.062
1337.	01:29	11:36	0.9915	0.9915	1.0007	1.0007	0.0057	0.0057	0.0057	0.0036	0.0087	0.997	0.149	-0.517	-0.647	-0.224
			0.9915	0.9824	0.9732	0.9732	0.0077	0.0036	0.0057	0.0077	0.0077	1.280	-0.000	-0.647	-0.647	-0.452
			0.9915	0.9915	1.0007	1.0098	0.0036	0.0057	0.0077	0.0077	0.0133	0.289	-0.000	-0.777	-0.908	-0.582
			1.0098	1.0190	1.0098	1.0007	0.0077	0.0057	0.0118	0.0057	0.0158	0.289	-0.000	-0.908	-0.777	-0.582
1338.	01:29	11:36	1.0007	0.9824	0.9824	0.9824	0.0077	0.0077	0.0057	0.0036	0.0128	0.713	-0.150	-0.777	-0.647	-0.452
			0.9824	0.9824	0.9824	0.9824	0.0057	0.0036	0.0016	0.0057	0.0158	0.572	-0.000	-0.777	-0.777	-0.420
			0.9824	0.9824	0.9915	0.9824	0.0036	0.0036	0.0036	0.0036	0.0158	0.713	-0.000	-0.908	-0.908	-0.550
			0.9824	0.9824	0.9915	0.9824	0.0057	0.0057	0.0036	0.0057	0.0187	0.997	-0.000	-0.908	-0.908	-0.615
1339.	01:29	11:36	0.9824	0.9824	0.9915	0.9824	0.0036	0.0077	0.0057	0.0057	0.0199	1.138	-0.000	-0.908	-0.908	-0.582
			0.9824	0.9915	0.9915	0.9915	0.0057	0.0077	0.0057	0.0077	0.0219	1.280	-0.000	-0.777	-0.777	-0.517
			0.9915	0.9915	0.9915	0.9915	0.0077	0.0077	0.0077	0.0077	0.0235	1.280	-0.000	-0.777	-0.777	-0.485
			0.9824	0.9824	0.9824	0.9824	0.0077	0.0077	0.0057	0.0057	0.0235	1.422	0.149	-0.647	-0.647	-0.420
1340.	01:29	11:36	0.9824	0.9915	1.0098	1.0282	0.0036	0.0057	0.0016	0.0016	0.0240	1.138	0.149	-0.517	-0.647	-0.367
			1.0455	1.0556	1.0648	1.0648	-0.0004	0.0016	0.0036	0.0036	0.0235	0.289	0.149	-0.908	-1.038	-0.582
			1.0648	1.0556	1.0556	1.0455	0.0057	0.0057	0.0057	0.0077	0.0158	0.855	-0.000	-1.038	-1.038	-0.810
			1.0165	1.0373	1.0373	1.0373	0.0097	0.0077	0.0077	0.0118	0.0072	1.138	-0.000	-1.038	-0.908	-0.712
1341.	01:29	11:36	1.0282	1.0282	1.0282	1.0190	0.0077	0.0097	0.0097	0.0097	-0.0015	1.138	-0.000	-0.777	-0.647	-0.485
			1.0190	1.0098	1.0098	1.0098	0.0077	0.0097	0.0077	0.0097	-0.0096	1.422	-0.000	-0.647	-0.647	-0.322
			1.0007	1.0007	1.0007	1.0007	0.0118	0.0138	0.0118	0.0118	-0.0152	1.563	-0.000	-0.647	-0.517	-0.322
			0.9915	1.0007	1.0007	1.0007	0.0138	0.0097	0.0097	0.0097	-0.0193	1.563	0.149	-0.387	-0.257	-0.224
1342.	01:29	11:36	1.0098	1.0098	1.0190	1.0190	0.0097	0.0118	0.0097	0.0077	-0.0147	0.430	0.149	-0.387	-0.517	-0.192
			1.0282	1.0190	1.0190	1.0098	0.0077	0.0077	0.0097	0.0077	0.0011	0.005	-0.000	-0.647	-0.647	-0.322
			1.0007	0.9824	0.9824	0.9732	0.0118	0.0057	0.0097	0.0057	0.0143	0.147	-0.150	-0.777	-0.777	-0.452
			0.9732	0.9732	0.9732	0.9641	0.0036	0.0036	0.0036	0.0036	0.0235	0.005	-0.150	-0.777	-0.908	-0.517
1343.	01:29	11:36	0.9732	0.9641	0.9732	0.9641	0.0036	0.0036	0.0057	0.0016	0.0306	0.005	-0.150	-1.038	-1.038	-0.745
			0.9641	0.9641	0.9732	0.9641	0.0057	0.0036	0.0057	0.0057	0.0367	0.005	-0.150	-1.168	-1.168	-0.777
			0.9641	0.9641	0.9732	0.9641	0.0077	0.0057	0.0077	0.0077	0.0397	0.005	-0.150	-1.168	-1.038	-0.810
			0.9641	0.9641	0.9732	0.9732	0.0097	0.0097	0.0118	0.0097	0.0413	0.005	-0.150	-1.038	-0.908	-0.712
1344.	01:29	11:36	0.9732	0.9732	0.9732	0.9732	0.0118	0.0118	0.0097	0.0077	0.0413	0.005	-0.150	-0.777	-0.647	-0.452
			0.9732	0.9641	0.9732	0.9641	0.0077	0.0077	0.0077	0.0077	0.0408	0.005	-0.150	-0.517	-0.647	-0.290
			0.9641	0.9641	0.9641	0.9641	0.0077	0.0097	0.0077	0.0097	0.0402	0.005	-0.000	-0.647	-0.517	-0.355
			0.9641	0.9641	0.9641	0.9641	0.0077	0.0077	0.0077	0.0077	0.0413	0.005	-0.000	-0.257	-0.127	-0.062
1345.	01:29	11:36	0.9641	0.9641	0.9641	0.9641	0.0057	0.0077	0.0057	0.0057	0.0453	0.430	-0.000	0.003	0.003	0.003
			0.9732	0.9641	0.9641	0.9641	0.0057	0.0077	-0.0004	0.0016	0.0474	0.855	-0.000	0.003	0.003	0.068
			0.9549	0.9641	0.9732	0.9641	0.0036	0.0016	0.0016	0.0036	0.0474	0.430	-0.000	0.003	-0.257	0.003
			0.9732	0.9824	0.9824	0.9915	0.0036	0.0016	0.0016	0.0036	0.0494	0.289	-0.000	-0.517	-0.647	-0.224
1346.	01:29	11:36	0.9915	0.9915	0.9915	0.9915	-0.0004	0.0016	-0.0004	0.0016	0.0489	0.430	-0.000	-0.647	-0.777	-0.420
			0.9824	0.9915	0.9915	0.9915	0.0036	0.0016	0.0016	0.0057	0.0453	0.430	-0.000	-0.777	-0.908	-0.550
			1.0007	1.0007	1.0007	0.9915	0.0057	0.0077	0.0077	0.0057	0.0392	0.430	-0.000	-0.908	-0.908	-0.582
			0.9915	0.9915	0.9915	0.9915	0.0077	0.0077	0.0057	0.0057	0.0311	0.713	-0.000	-0.777	-0.777	-0.517
1347.	01:29	11:36	0.9915	0.9824	0.9915	0.9915	0.0077	0.0057	0.0057	0.0077	0.0219	0.855	-0.000	-0.777	-0.777	-0.452
			0.9915	0.9915	1.0007	0.9915	0.0057	0.0057	0.0057	0.0077	0.0145	0.713	-0.000	-0.908	-0.908	-0.550
			0.9824	0.9915	0.9824	0.9824	0.0097	0.0077	0.0077	0.0077	0.0072	0.855	-0.000	-0.908	-0.908	-0.647
			0.9824	0.9732	0.9732	0.9732	0.0077	0.0097	0.0077	0.0077	-0.0025	0.997	-0.000	-0.908	-0.777	-0.582
1348.	01:29	11:37	0.9641	0.9641	0.9641	0.9641	0.0077	0.0097	0.0097	0.0097	-0.0127	1.138	-0.000	-0.777	-0.777	-0.485
			0.9641	0.9641	0.9641	0.9549	0.0097	0.0097	0.0097	0.0097	-0.0218	1.422	-0.000	-0.647	-0.647	-0.420
			0.9641	0.9641	0.9641	0.9732	0.0077	0.0097	0.0077	0.0057	-0.0244	1.705	0.149	-0.647	-0.647	-0.290
			0.9824	0.9732	0.9824	0.9915	0.0077	0.0057	0.0036	0.0036	-0.0233	1.705	0.449	-0.647	-0.647	-0.322
1349.	01:29	11:37	0.9824	0.9824	0.9824	0.9824	0.0016	0.0016	0.0016	0.0016	-0.0213	1.705	0.449	-0.908	-1.038	-0.517
			0.9824	0.9824	0.9824	0.9915	0.0016	0.0057	0.0057	0.0036	-0.0193	1.705	0.599	-1.038	-1.038	-0.843
			0.9915	0.9915	1.0007	0.9915	0.0057	0.0057	0.0077	0.0118	-0.0182	0.855	0.449	-1.168	-1.038	-0.940
			0.9915	0.9915	0.9824	0.9824	0.0097	0.0118	0.0118	0.0097	-0.0182	0.997	-0.000	-0.908	-0.647	-0.680
1350.	01:29	11:37	0.9824	0.9732	0.9732	0.9732	0.0097	0.0097	0.0077	0.0077	-0.0177	1.422	-0.000	-0.517	-0.387	-0.257
			0.9732	0.9732	0.9824	0.9732	0.0057	0.0077	0.0057	0.0077	-0.0147	1.280	0.149	-0.387	-0.517	-0.159
			0.9824	0.9824	0.9824	0.9915	0.0057	0.0077	0.0057	0.0077	-0.0111	1.422	0.299	-0.517	-0.647	-0.290
			0.9915	0.9915	0.9824	0.9824	0.0077	0.0077	0.0077	0.0097	0.0016	1.705	0.299	-0.777	-0.647	-0.485

0072

QUALITY CONTROL CHECK

57

FRAME	TIME	DELT	VERG	VERG	VERG	VERG	LATG	LATG	LATG	LATG	LONG	ELEVLI	ELEVRO	RUDUP	RUDUP	RUDLO
1321.	01:27	11:35	0.9824	1.0007	0.9824	0.9915	0.0097	0.0016	-0.0004	0.0057	-0.0371	1.138	-0.000	-0.647	-0.647	-0.387
			1.0007	0.9824	0.9732	0.9641	0.0077	0.0057	0.0118	0.0097	-0.0360	1.422	-0.000	-0.647	-0.647	-0.387
			0.9732	0.9915	1.0098	1.0098	0.0097	0.0077	0.0036	0.0057	-0.0355	0.855	-0.000	-0.517	-0.647	-0.387
			1.0098	1.0190	1.0190	1.0190	0.0118	0.0057	0.0097	0.0057	-0.0305	0.855	-0.000	-0.777	-0.777	-0.485
1322.	01:28	11:35	1.0098	0.9915	0.9824	0.9824	0.0138	0.0077	0.0118	0.0077	-0.0340	0.997	-0.000	-0.647	-0.647	-0.387
			0.9915	0.9915	0.9824	0.9915	0.0016	-0.0004	0.0077	0.0077	-0.0325	0.997	-0.000	-0.647	-0.777	-0.290
			0.9915	0.9824	0.9824	0.9732	0.0036	0.0036	0.0097	0.0118	-0.0320	0.997	-0.000	-0.777	-0.777	-0.420
			0.9915	0.9915	0.9824	0.9732	0.0138	0.0118	0.0097	0.0077	-0.0299	1.138	-0.000	-0.647	-0.647	-0.420
1323.	01:28	11:35	0.9641	0.9732	0.9824	0.9824	0.0036	0.0057	0.0077	0.0077	-0.0310	1.280	-0.000	-0.647	-0.517	-0.290
			0.9915	1.0098	1.0098	1.0007	0.0057	0.0077	0.0077	0.0158	-0.0254	0.997	-0.000	-0.517	-0.777	-0.387
			1.0098	1.0098	1.0098	1.0373	0.0138	0.0158	0.0199	0.0158	-0.0254	0.713	-0.000	-0.777	-0.647	-0.485
			1.0190	0.9824	0.9915	0.9824	0.0016	0.0057	0.0016	-0.0004	-0.0284	0.997	-0.000	-0.517	-0.647	-0.224
1324.	01:28	11:35	0.9824	0.9915	0.9915	0.9824	0.0016	0.0077	0.0118	0.0138	-0.0249	0.855	-0.000	-0.777	-0.777	-0.420
			0.9915	0.9915	0.9824	0.9824	0.0077	0.0057	0.0036	0.0118	-0.0238	0.855	-0.000	-0.647	-0.647	-0.387
			0.9732	0.9732	0.9732	0.9824	0.0077	0.0036	0.0097	0.0138	-0.0264	1.138	-0.000	-0.777	-0.647	-0.420
			0.9824	0.9915	0.9915	0.9824	0.0077	0.0036	0.0057	0.0097	-0.0223	1.138	-0.000	-0.647	-0.647	-0.322
1325.	01:28	11:35	0.9824	0.9915	0.9915	0.9824	0.0036	0.0016	0.0036	0.0138	-0.0213	1.280	-0.000	-0.647	-0.777	-0.387
			0.9824	0.9824	0.9824	0.9732	0.0077	0.0118	0.0036	0.0057	-0.0213	1.280	-0.000	-0.777	-0.777	-0.517
			0.9824	0.9824	1.0007	0.9915	0.0057	0.0138	0.0118	-0.0004	-0.0218	1.138	-0.000	-0.647	-0.517	-0.452
			0.9915	0.9915	0.9915	1.0098	-0.0025	0.0077	0.0077	0.0016	-0.0208	0.713	-0.000	-0.647	-0.777	-0.387
1326.	01:28	11:35	1.0098	1.0007	1.0007	0.9915	0.0097	0.0097	0.0036	0.0097	-0.0198	0.713	-0.000	-0.777	-0.777	-0.485
			0.9915	0.9915	0.9915	0.9915	0.0097	0.0077	0.0016	0.0057	-0.0177	0.997	-0.000	-0.777	-0.777	-0.452
			1.0007	0.9915	1.0007	0.9915	0.0097	0.0057	0.0097	0.0057	-0.0177	0.997	-0.000	-0.777	-0.777	-0.517
			0.9824	0.9824	0.9824	0.9732	0.0097	0.0077	0.0138	0.0138	-0.0172	0.997	-0.000	-0.777	-0.647	-0.420
1327.	01:28	11:35	0.9824	0.9824	0.9915	0.9824	0.0118	0.0118	0.0179	-0.0004	-0.0162	0.997	-0.000	-0.517	-0.517	-0.257
			1.0007	0.9915	1.0007	1.0098	0.0077	0.0057	-0.0045	0.0016	-0.0157	1.138	-0.000	-0.517	-0.647	-0.290
			1.0007	1.0190	1.0556	1.1011	0.0057	0.0077	0.0118	0.0118	-0.0188	0.572	-0.000	-0.777	-0.777	-0.485
			1.0831	1.0739	1.0373	0.9915	0.0118	0.0097	0.0097	0.0057	-0.0208	1.138	-0.000	-0.647	-0.517	-0.420
1328.	01:29	11:35	0.9641	0.9549	0.9366	0.9458	0.0016	0.0097	0.0057	0.0057	-0.0299	1.422	-0.000	-0.517	-0.647	-0.290
			0.9366	0.9366	0.9549	0.9274	0.0036	-0.0004	0.0057	0.0016	-0.0305	1.280	-0.000	-0.647	-0.647	-0.322
			0.9000	0.8908	0.9183	0.9091	0.0036	0.0036	0.0016	-0.0025	-0.0325	1.847	-0.000	-0.647	-0.777	-0.355
			0.9091	0.9274	0.9274	0.9366	-0.0025	0.0118	0.0077	0.0118	-0.0305	2.130	0.149	-0.908	-0.777	-0.517
1329.	01:29	11:35	0.9549	0.9732	1.0007	1.0190	0.0077	0.0036	0.0016	0.0118	-0.0172	1.280	0.299	-0.777	-0.777	-0.582
			0.9732	1.0190	1.0190	1.0282	0.0138	0.0158	0.0138	0.0158	0.0016	0.713	-0.000	-0.777	-0.777	-0.615
			1.0282	1.0282	1.0282	1.0190	0.0097	0.0158	0.0158	0.0138	0.0209	0.147	-0.000	-0.777	-0.647	-0.420
			1.0190	0.9915	0.9824	0.9915	0.0118	0.0077	0.0077	0.0077	0.0316	0.289	-0.150	-0.647	-0.647	-0.355
1330.	01:28	11:35	0.9915	0.9824	0.9915	0.9824	0.0077	0.0097	0.0138	0.0158	0.0382	0.289	-0.150	-0.777	-0.777	-0.452
			0.9824	0.9824	0.9732	0.9732	0.0138	0.0158	0.0138	0.0138	0.0423	0.430	-0.150	-0.777	-0.647	-0.452
			0.9732	0.9732	0.9824	0.9915	0.0118	0.0118	0.0057	0.0118	0.0438	0.430	-0.150	-0.647	-0.647	-0.290
			0.9915	1.0007	1.0007	1.0007	0.0057	0.0077	0.0077	0.0097	0.0453	0.430	-0.150	-0.647	-0.647	-0.355
1331.	01:28	11:35	1.0098	1.0098	1.0098	1.0098	0.0077	0.0118	0.0097	0.0097	0.0382	0.430	-0.000	-0.777	-0.777	-0.485
			1.0007	1.0007	1.0007	0.9915	0.0118	0.0118	0.0118	0.0097	0.0306	0.572	-0.000	-0.777	-0.777	-0.485
			0.9915	0.9915	0.9915	0.9915	0.0118	0.0077	0.0077	0.0057	0.0240	0.572	-0.000	-0.647	-0.647	-0.387
			1.0007	1.0007	0.9915	0.9915	0.0077	0.0077	0.0077	0.0057	0.0138	0.572	-0.000	-0.647	-0.777	-0.355
1332.	01:28	11:35	1.0007	0.9915	1.0007	1.0007	0.0077	0.0057	0.0057	0.0077	-0.0050	0.713	-0.000	-0.777	-0.777	-0.485
			1.0007	1.0007	0.9915	0.9915	0.0077	0.0077	0.0097	0.0097	-0.0147	0.855	-0.000	-0.777	-0.777	-0.452
			0.9915	0.9824	0.9824	0.9824	0.0057	0.0077	0.0077	0.0057	-0.0193	0.997	-0.000	-0.647	-0.647	-0.387
			0.9824	0.9824	0.9732	0.9824	0.0036	0.0077	0.0036	0.0036	-0.0198	0.997	-0.000	-0.647	-0.647	-0.355
1334.	01:28	11:36	0.9915	0.9915	0.9915	0.9915	0.0057	0.0057	0.0077	0.0057	-0.0177	0.997	-0.000	-0.777	-0.777	-0.452
			0.9824	0.9824	0.9824	0.9732	0.0077	0.0057	0.0077	0.0077	-0.0177	1.138	-0.000	-0.777	-0.777	-0.485
			0.9824	0.9824	0.9732	0.9732	0.0097	0.0077	0.0077	0.0097	-0.0152	1.280	-0.000	-0.777	-0.777	-0.452
			0.9641	0.9641	0.9732	0.9641	0.0057	0.0097	0.0077	0.0036	-0.0142	1.422	-0.000	-0.647	-0.647	-0.387
1335.	01:29	11:35	0.9549	0.9549	0.9641	0.9732	0.0077	0.0097	0.0077	0.0077	-0.0147	1.563	-0.000	-0.647	-0.647	-0.355
			0.9732	0.9732	0.9824	0.9915	0.0077	0.0057	0.0118	0.0138	-0.0091	1.280	0.149	-0.517	-0.517	-0.355
			1.0098	1.0190	1.0190	1.0190	0.0097	0.0118	0.0199	0.0199	-0.0030	0.289	-0.000	-0.647	-0.908	-0.452
			1.0282	1.0190	1.0098	1.0098	0.0118	0.0219	0.0158	0.0158	-0.0015	0.430	-0.000	-0.777	-0.647	-0.517
1336.	01:29	11:36	1.0098	1.0007	0.9915	0.9824	0.0199	0.0118	0.0097	0.0138	-0.0045	0.713	-0.150	-0.517	-0.517	-0.257
			0.9824	0.9824	0.9824	0.9824	0.0077	0.0057	0.0097	0.0077	-0.0025	0.572	-0.000	-0.517	-0.647	-0.290
			0.9824	0.9915	0.9915	0.9824	0.0077	0.0097	0.0077	0.0077	-0.0020	0.572	-0.000	-0.647	-0.777	-0.420
			0.9824	0.9824	0.9915	1.0007	0.0077	0.0057	0.0057	0.0057	0.0001	0.855	-0.000	-0.777	-0.908	-0.550

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QUALITY CONTROL CHECK

76

TRIP DATE DEG

S FRAME	LARGE	GMT	VERG	VERG	VERG	VERG	LATG	LATG	LATG	LATG	LONG	ELEVLI	ELEVRO	RUDUP	RUDUP	RUDLO
1306.	01:27	11:34	1.0282	1.0282	1.0282	1.0190	0.0179	0.0219	0.0240	0.0179	-0.0717	0.572	-0.450	-0.647	-0.517	-0.355
			1.0190	1.0190	1.0098	1.0098	0.0138	0.0219	0.0219	0.0219	-0.0717	0.572	-0.450	-0.387	-0.517	-0.159
			1.0098	1.0098	1.0098	1.0007	0.0219	0.0219	0.0179	0.0138	-0.0722	0.430	-0.450	-0.387	-0.387	-0.192
			1.0007	1.0007	1.0007	1.0007	0.0097	0.0057	0.0077	0.0036	-0.0722	0.289	-0.450	-0.387	-0.517	-0.062
1307.	01:27	11:34	1.0007	1.0007	1.0098	1.0098	0.0077	0.0077	0.0097	0.0118	-0.0717	0.289	-0.450	-0.647	-0.647	-0.355
			1.0007	1.0007	1.0007	0.9915	0.0118	0.0077	0.0057	0.0077	-0.0711	0.289	-0.450	-0.647	-0.647	-0.420
			0.9915	0.9915	0.9915	1.0007	0.0077	0.0097	0.0118	0.0077	-0.0717	0.430	-0.450	-0.647	-0.647	-0.420
			1.0007	0.9915	0.9824	0.9732	0.0097	0.0118	0.0077	0.0077	-0.0722	0.572	-0.450	-0.517	-0.647	-0.420
1308.	01:27	11:34	0.9549	0.9549	0.9641	0.9641	0.0077	0.0097	0.0097	0.0077	-0.0717	0.997	-0.450	-0.647	-0.647	-0.355
			0.9732	0.9824	0.9915	1.0007	0.0077	0.0077	0.0077	0.0077	-0.0717	0.855	-0.300	-0.647	-0.647	-0.355
			1.0007	1.0007	1.0007	1.0007	0.0077	0.0077	0.0077	0.0077	-0.0717	0.855	-0.300	-0.777	-0.777	-0.420
			1.0007	0.9915	0.9915	0.9915	0.0057	0.0036	0.0036	0.0057	-0.0727	0.713	-0.300	-0.777	-0.777	-0.420
1309.	01:27	11:34	0.9915	0.9824	0.9824	0.9732	0.0077	0.0118	0.0138	0.0179	-0.0737	0.713	-0.450	-0.777	-0.777	-0.465
			0.9641	0.9641	0.9641	0.9732	0.0158	0.0179	0.0138	0.0118	-0.0727	1.138	-0.450	-0.647	-0.387	-0.322
			0.9824	0.9915	1.0098	1.0098	0.0097	0.0097	0.0077	0.0077	-0.0711	1.422	-0.450	-0.387	-0.387	-0.094
			1.0190	1.0282	1.0465	1.0465	0.0077	0.0097	0.0077	0.0057	-0.0696	1.563	-0.300	-0.387	-0.387	-0.127
1310.	01:27	11:34	1.0556	1.0556	1.0556	1.0465	0.0016	0.0016	0.0016	0.0016	-0.0696	1.563	-0.150	-0.387	-0.517	-0.062
			1.0282	1.0282	1.0465	1.0556	-0.0025	-0.0004	-0.0025	-0.0025	-0.0752	1.563	-0.000	-0.517	-0.517	-0.257
			1.0739	1.0831	1.0922	1.0922	-0.0025	0.0016	0.0016	0.0016	-0.0701	1.422	-0.000	-0.517	-0.647	-0.322
			1.1014	1.1014	1.0922	1.0831	-0.0004	-0.0004	-0.0065	-0.0065	-0.0717	0.855	-0.000	-0.647	-0.647	-0.322
1311.	01:27	11:34	1.0739	1.0648	1.0465	1.0282	-0.0086	-0.0045	-0.0025	-0.0025	-0.0727	0.855	-0.150	-0.647	-0.777	-0.355
			1.0282	1.0282	1.0282	1.0190	-0.0025	-0.0025	-0.0025	-0.0004	-0.0727	0.572	-0.300	-0.777	-0.777	-0.452
			1.0190	1.0098	1.0098	1.0098	0.0016	0.0036	0.0057	0.0057	-0.0722	0.855	-0.300	-0.908	-0.908	-0.550
			1.0190	1.0190	1.0190	1.0190	0.0057	0.0097	0.0118	0.0138	-0.0727	0.997	-0.300	-0.777	-0.777	-0.485
1312.	01:27	11:34	1.0282	1.0282	1.0282	1.0373	0.0138	0.0158	0.0158	0.0138	-0.0701	1.280	-0.300	-0.647	-0.647	-0.387
			1.0373	1.0373	1.0556	1.0465	0.0118	0.0118	0.0077	0.0057	-0.0686	1.138	-0.150	-0.517	-0.517	-0.224
			1.0373	1.0373	1.0282	1.0190	0.0036	0.0016	0.0036	0.0036	-0.0686	0.997	-0.150	-0.517	-0.647	-0.257
			1.0190	1.0098	1.0098	0.9915	-0.0004	0.0016	0.0016	0.0036	-0.0701	0.713	-0.150	-0.777	-0.908	-0.452
1313.	01:27	11:34	0.9915	0.9824	0.9824	0.9824	0.0036	0.0057	0.0016	0.0036	-0.0691	0.997	-0.300	-0.908	-0.777	-0.550
			0.9824	0.9824	0.9824	0.9915	0.0057	0.0057	0.0057	0.0016	-0.0671	1.138	-0.300	-0.777	-0.777	-0.485
			0.9915	1.0007	1.0098	1.0007	0.0057	0.0057	0.0057	0.0057	-0.0671	1.280	-0.150	-0.777	-0.777	-0.420
			1.0098	1.0190	1.0282	1.0282	0.0036	0.0036	0.0057	0.0057	-0.0640	1.422	-0.150	-0.777	-0.777	-0.429
1314.	01:27	11:34	1.0282	1.0282	1.0282	1.0282	0.0057	0.0057	0.0036	0.0077	-0.0625	1.422	-0.000	-0.777	-0.777	-0.452
			1.0190	1.0190	1.0282	1.0373	0.0057	0.0057	0.0036	0.0057	-0.0605	0.997	-0.000	-0.647	-0.647	-0.452
			1.0373	1.0282	1.0098	1.0007	0.0057	0.0036	0.0138	0.0077	-0.0620	0.572	-0.150	-0.777	-0.777	-0.485
			0.9915	0.9824	0.9732	0.9732	0.0077	0.0057	0.0097	0.0077	-0.0620	0.855	-0.300	-0.647	-0.647	-0.355
1315.	01:27	11:34	0.9824	0.9824	0.9915	0.9732	0.0077	0.0077	0.0036	0.0077	-0.0605	0.713	-0.300	-0.647	-0.647	-0.322
			0.9732	0.9824	0.9824	0.9732	0.0077	0.0057	0.0118	0.0077	-0.0584	0.997	-0.300	-0.647	-0.647	-0.355
			0.9824	0.9824	0.9915	0.9915	0.0077	0.0077	0.0077	0.0077	-0.0589	0.997	-0.300	-0.647	-0.647	-0.322
			0.9824	0.9915	0.9915	1.0007	0.0097	0.0097	0.0097	0.0097	-0.0584	1.138	-0.150	-0.647	-0.647	-0.387
1316.	01:27	11:34	0.9915	0.9915	1.0007	1.0098	0.0097	0.0077	0.0097	0.0077	-0.0554	1.138	-0.150	-0.647	-0.647	-0.322
			1.0007	1.0007	1.0007	1.0007	0.0057	0.0077	0.0138	0.0077	-0.0564	1.138	-0.150	-0.647	-0.647	-0.322
			0.9915	0.9824	1.0007	1.0007	0.0057	0.0077	0.0097	0.0077	-0.0533	1.138	-0.150	-0.647	-0.647	-0.355
			0.9915	0.9824	0.9824	1.0007	0.0097	0.0097	0.0077	0.0057	-0.0549	1.138	-0.150	-0.647	-0.517	-0.387
1317.	01:27	11:34	1.0190	1.0282	1.0282	1.0098	0.0057	0.0077	0.0118	0.0077	-0.0533	0.572	-0.150	-0.777	-0.777	-0.452
			0.9915	0.9824	0.9732	0.9824	-0.0004	0.0118	0.0077	0.0118	-0.0544	0.997	-0.300	-0.647	-0.647	-0.355
			1.0007	1.0098	0.9915	0.9732	0.0057	0.0077	0.0077	0.0179	-0.0508	0.855	-0.150	-0.647	-0.647	-0.322
			0.9732	0.9824	0.9824	0.9824	0.0077	0.0057	0.0057	0.0057	-0.0508	0.855	-0.150	-0.647	-0.647	-0.355
1318.	01:27	11:35	0.9915	0.9915	0.9824	0.9824	0.0057	0.0016	0.0036	0.0097	-0.0488	0.997	-0.150	-0.647	-0.647	-0.322
			0.9824	0.9732	0.9732	1.0007	0.0036	0.0118	0.0036	0.0036	-0.0483	1.138	-0.150	-0.647	-0.647	-0.355
			1.0007	0.9915	0.9824	0.9732	0.0057	0.0138	-0.0004	0.0097	-0.0467	1.138	-0.150	-0.647	-0.647	-0.387
			0.9824	0.9915	0.9824	0.9824	0.0057	0.0118	0.0118	0.0118	-0.0442	1.280	-0.000	-0.647	-0.647	-0.367
1319.	01:27	11:35	0.9915	0.9915	0.9915	0.9915	0.0057	0.0097	0.0057	0.0057	-0.0452	1.280	-0.000	-0.517	-0.517	-0.257
			1.0007	1.0190	1.0098	1.0098	0.0036	-0.0004	0.0057	0.0057	-0.0422	1.138	-0.000	-0.517	-0.647	-0.322
			1.0190	1.0098	1.0098	1.0098	0.0036	0.0036	0.0138	0.0077	-0.0432	0.713	-0.000	-0.777	-0.777	-0.452
			1.0098	1.0007	0.9915	0.9732	0.0057	-0.0025	0.0057	0.0077	-0.0422	1.138	-0.150	-0.647	-0.777	-0.387
1320.	01:27	11:35	0.9732	1.0007	0.9915	0.9732	0.0077	0.0057	0.0057	0.0097	-0.0411	0.855	-0.150	-0.777	-0.777	-0.387
			0.9824	0.9824	0.9824	0.9824	-0.0045	0.0057	0.0057	0.0057	-0.0416	0.997	-0.000	-0.647	-0.647	-0.355
			0.9732	0.9824	0.9915	0.9732	0.0016	-0.0045	-0.0025	0.0118	-0.0371	1.138	-0.000	-0.777	-0.777	-0.387
			0.9824	0.9732	0.9824	0.9732	0.0036	0.0158	0.0097	0.0118	-0.0396	1.280	-0.000	-0.777	-0.777	-0.465

QUALITY CONTROL CHECK

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8074

HISR DATA DUMP PROGRAM

TRIP	DATE	LPG														
S FRAME	LAPSE	GMT	VERG	VERG	VERG	VERG	LATG	LATG	LATG	LATG	LONG	ELEVLI	ELEVRO	RUDUP	RUDUP	RUDLO
1291.	01:26	11:33	1.0007	1.0007	1.0007	0.9915	0.0057	0.0057	0.0036	0.0016	-0.0737	0.855	-0.300	-0.647	-0.647	-0.355
			0.9915	1.0007	1.0007	0.9915	0.0016	0.0057	0.0057	0.0097	-0.0742	0.572	-0.300	-0.777	-0.777	-0.485
			0.9915	0.9915	0.9915	0.9915	0.0097	0.0118	0.0118	0.0097	-0.0742	0.572	-0.300	-0.777	-0.647	-0.517
			0.9824	0.9824	0.9824	0.9824	0.0077	0.0077	0.0077	0.0057	-0.0737	0.572	-0.450	-0.647	-0.647	-0.355
1292.	01:26	11:33	0.9824	0.9915	0.9824	0.9824	0.0077	0.0077	0.0077	0.0057	-0.0737	0.572	-0.450	-0.647	-0.647	-0.355
			0.9732	0.9641	0.9732	0.9824	0.0057	0.0036	0.0036	0.0016	-0.0737	0.572	-0.450	-0.647	-0.647	-0.387
			0.9732	0.9732	0.9824	0.9824	0.0036	0.0057	0.0077	0.0097	-0.0737	0.572	-0.450	-0.777	-0.777	-0.457
			0.9732	0.9824	0.9824	0.9732	0.0097	0.0138	0.0118	0.0118	-0.0747	0.713	-0.450	-0.777	-0.777	-0.485
1293.	01:26	11:33	0.9824	0.9915	1.0007	1.0007	0.0158	0.0138	0.0077	0.0118	-0.0742	0.713	-0.450	-0.647	-0.647	-0.355
			1.0007	0.9915	1.0098	1.0190	0.0118	0.0118	0.0077	0.0118	-0.0727	0.855	-0.450	-0.647	-0.647	-0.290
			1.0098	1.0098	1.0098	1.0098	0.0097	0.0077	0.0057	0.0036	-0.0752	0.855	-0.300	-0.647	-0.647	-0.355
			1.0190	1.0190	1.0190	1.0190	0.0036	0.0036	0.0057	0.0097	-0.0747	0.855	-0.300	-0.647	-0.777	-0.355
1294.	01:26	11:33	1.0098	1.0098	1.0190	1.0098	0.0118	0.0158	0.0138	0.0118	-0.0752	0.855	-0.300	-0.777	-0.647	-0.485
			1.0093	1.0190	1.0190	1.0190	0.0118	0.0097	0.0077	0.0077	-0.0757	0.855	-0.300	-0.647	-0.517	-0.290
			1.0190	1.0098	1.0098	1.0098	0.0057	0.0057	0.0077	0.0077	-0.0757	0.855	-0.300	-0.647	-0.647	-0.322
			1.0098	1.0098	1.0098	1.0098	0.0077	0.0097	0.0077	0.0077	-0.0747	0.713	-0.300	-0.647	-0.647	-0.387
1295.	01:26	11:33	1.0007	1.0007	1.0007	0.9915	0.0097	0.0077	0.0036	0.0057	-0.0747	0.713	-0.300	-0.647	-0.647	-0.355
			0.9824	0.9824	0.9915	0.9915	0.0057	0.0057	0.0057	0.0036	-0.0757	0.572	-0.300	-0.647	-0.777	-0.387
			0.9824	0.9824	0.9915	0.9824	0.0057	0.0077	0.0057	0.0036	-0.0752	0.572	-0.450	-0.777	-0.777	-0.420
			0.9824	0.9732	0.9824	0.9732	0.0057	0.0057	0.0077	0.0077	-0.0752	0.572	-0.450	-0.777	-0.777	-0.420
1296.	01:26	11:33	0.9732	0.9641	0.9732	0.9732	0.0077	0.0077	0.0077	0.0077	-0.0752	0.572	-0.450	-0.777	-0.777	-0.420
			0.9732	0.9732	0.9641	0.9641	0.0077	0.0077	0.0077	0.0077	-0.0757	0.572	-0.450	-0.777	-0.777	-0.387
			0.9641	0.9549	0.9641	0.9641	0.0057	0.0057	0.0057	0.0057	-0.0757	0.572	-0.450	-0.647	-0.647	-0.355
			0.9732	0.9641	0.9641	0.9549	0.0057	0.0036	0.0036	0.0036	-0.0757	0.572	-0.450	-0.647	-0.647	-0.355
1297.	01:26	11:33	0.9641	0.9549	0.9549	0.9549	0.0036	0.0057	0.0077	0.0077	-0.0752	0.572	-0.450	-0.777	-0.777	-0.420
			0.9641	0.9641	0.9641	0.9641	0.0057	0.0036	0.0036	0.0057	-0.0757	0.572	-0.450	-0.777	-0.777	-0.452
			0.9641	0.9732	0.9732	0.9732	0.0057	0.0057	0.0057	0.0077	-0.0757	0.572	-0.450	-0.777	-0.777	-0.452
			0.9732	0.9641	0.9641	0.9641	0.0077	0.0077	0.0077	0.0077	-0.0752	0.430	-0.450	-0.777	-0.777	-0.452
1298.	01:26	11:33	0.9641	0.9641	0.9732	0.9732	0.0097	0.0138	0.0097	0.0057	-0.0747	0.572	-0.450	-0.647	-0.647	-0.355
			0.9519	0.9641	0.9732	0.9732	0.0097	0.0077	0.0077	0.0077	-0.0762	0.572	-0.600	-0.517	-0.517	-0.257
			0.9641	0.9641	0.9641	0.9641	0.0118	0.0118	0.0138	0.0097	-0.0772	0.713	-0.600	-0.517	-0.517	-0.224
			0.9641	0.9641	0.9641	0.9549	0.0138	0.0118	0.0118	0.0118	-0.0747	0.713	-0.600	-0.387	-0.387	-0.127
1299.	01:26	11:33	0.9641	0.9732	0.9732	0.9732	0.0097	0.0097	0.0077	0.0057	-0.0742	0.855	-0.600	-0.257	-0.257	-0.029
			0.9641	0.9732	0.9732	0.9732	0.0057	0.0036	0.0057	0.0077	-0.0737	0.855	-0.450	-0.257	-0.387	-0.029
			0.9824	0.9824	0.9824	0.9732	0.0077	0.0077	0.0057	0.0057	-0.0732	0.855	-0.450	-0.387	-0.387	-0.159
			0.9732	0.9641	0.9732	0.9732	0.0057	0.0016	-0.0004	-0.0004	-0.0732	0.855	-0.300	-0.387	-0.517	-0.159
1300.	01:26	11:33	0.9641	0.9732	0.9824	0.9824	-0.0004	-0.0004	0.0016	0.0036	-0.0732	0.855	-0.300	-0.517	-0.647	-0.257
			0.9824	0.9824	0.9824	0.9732	0.0036	0.0057	0.0057	0.0057	-0.0732	0.855	-0.300	-0.647	-0.647	-0.387
			0.9732	0.9824	0.9824	0.9824	0.0016	-0.0004	-0.0025	-0.0025	-0.0727	0.855	-0.300	-0.647	-0.647	-0.290
			0.9824	0.9732	0.9824	0.9824	-0.0025	-0.0045	-0.0065	-0.0065	-0.0737	0.855	-0.300	-0.647	-0.777	-0.387
1301.	01:26	11:33	0.9915	1.0007	1.0098	1.0098	-0.0065	-0.0045	-0.0045	-0.0045	-0.0737	0.855	-0.300	-0.908	-0.908	-0.550
			1.0098	1.0190	1.0190	1.0098	-0.0045	-0.0025	-0.0025	-0.0004	-0.0737	0.997	-0.300	-1.038	-1.038	-0.680
			1.0098	1.0098	1.0098	1.0098	0.0016	-0.0004	0.0016	0.0016	-0.0737	0.855	-0.300	-0.908	-0.777	-0.615
			1.0098	1.0007	1.0007	0.9915	0.0016	0.0016	0.0016	0.0016	-0.0757	0.855	-0.300	-0.777	-0.777	-0.420
1302.	01:26	11:33	0.9915	0.9915	1.0007	1.0007	0.0016	-0.0004	-0.0004	-0.0004	-0.0732	0.855	-0.300	-0.647	-0.647	-0.355
			1.0007	0.9915	0.9915	0.9824	0.0016	0.0016	0.0016	-0.0004	-0.0732	0.855	-0.300	-0.647	-0.647	-0.387
			0.9824	0.9824	0.9824	0.9824	-0.0025	-0.0025	-0.0025	-0.0025	-0.0732	0.855	-0.300	-0.647	-0.777	-0.387
			0.9824	0.9824	0.9824	0.9732	0.0016	0.0016	0.0016	0.0036	-0.0742	0.713	-0.300	-0.777	-0.777	-0.452
1303.	01:26	11:34	0.9824	0.9732	0.9732	0.9732	0.0016	0.0036	0.0036	0.0057	-0.0737	0.713	-0.300	-0.777	-0.777	-0.420
			0.9641	0.9641	0.9641	0.9641	0.0057	0.0057	0.0036	0.0036	-0.0732	0.713	-0.300	-0.647	-0.647	-0.420
			0.9641	0.9641	0.9732	0.9641	0.0036	0.0016	-0.0004	0.0016	-0.0732	0.572	-0.300	-0.647	-0.647	-0.355
			0.9641	0.9915	1.0282	1.0556	-0.0004	-0.0004	-0.0045	-0.0086	-0.0706	1.563	-0.300	-0.647	-0.647	-0.387
1304.	01:26	11:34	1.0739	1.0922	1.1105	1.1105	-0.0086	-0.0004	0.0077	0.0138	-0.0691	1.705	-0.000	-0.908	-1.038	-0.517
			1.1105	1.1014	1.1014	1.0922	0.0158	0.0138	0.0097	0.0057	-0.0696	1.422	-0.000	-0.777	-0.517	-0.615
			1.0922	1.0831	1.0739	1.0739	-0.0004	-0.0045	-0.0065	-0.0045	-0.0696	1.138	-0.000	-0.517	-0.517	-0.192
			1.0739	1.0648	1.0739	1.0648	-0.0004	0.0036	0.0097	0.0097	-0.0701	0.572	-0.150	-0.777	-0.908	-0.550
1305.	01:26	11:34	1.0556	1.0373	1.0098	1.0007	0.0097	0.0097	0.0077	0.0077	-0.0711	0.572	-0.450	-0.777	-0.647	-0.485
			1.0007	1.0098	1.0190	1.0190	0.0077	0.0077	0.0057	0.0057	-0.0717	0.572	-0.450	-0.647	-0.647	-0.290
			1.0282	1.0190	1.0190	1.0190	0.0057	0.0077	0.0077	0.0077	-0.0717	0.572	-0.450	-0.647	-0.647	-0.322
			1.0190	1.0190	1.0282	1.0282	0.0097	0.0118	0.0138	0.0179	-0.0711	0.572	-0.450	-0.647	-0.647	-0.355

6075

QUALITY CONTROL CHECK

31

ENGINEERING UNITS DUMP
DMPP VARIABLE DICTIONARY

MNEMONIC	PARAMETER NAME	ENGINEERING UNITS
VERG	VERTICAL ACCELERATION	G'S → + = FORWARD ACCELERATION
LATG	LATERAL ACCELERATION	G'S → + = UPWARD "
LONG	LONGITUDINAL ACCEL	G'S → + = RIGHT "
ELEVDT	ELEVATOR DI-TRIM	DEG.
ELEVDD	ELEVATOR DI-DOUBD	DEG.) + = NOSE UP (TRAILING EDGE UP)
RDDUP	RUDDER POSITION, UPPER	DEG.
RDDLO	RUDDER POSITION, LOWER	DEG.) + = NOSE RIGHT (" " RIGHT)

END OF PARAMETER LIST THIS PASS

BEGINNING DUMP OF PASS PARAMETERS

WESTERN DC-10
MEXICO CITY
31-OCT-79

PART 2 OF 5

Carl A Roberts
11/2/79

0076

QUALITY CONTROL CHECK

3

DISCRETE DATA DUMP
DUMP VARIABLE DICTIONARY

MNEMONIC	PARAMETER NAME
VHF1	VHF 1 KEYING
VHF2	VHF 2 KEYING
VHF3	VHF 3 KEYING
HF1	HF 1 KEYING
HF2	HF 2 KEYING
EVENT	EVENT MARKER
TRO1	THRUST REVERSER UNLOCKED
TRD1	THRUST REVERSER DEPLOYED
TRO2	THRUST REVERSER UNLOCKED
TRD2	THRUST REVERSER DEPLOYED
TRO3	THRUST REVERSER UNLOCKED
TRD3	THRUST REVERSER DEPLOYED
FLAG1	ALTITUDE FLAG 1
FLAG2	ALTITUDE FLAG 2

VHF 1, VHF 2 KEYING: Φ = NOT KEYED, ⊥ = MICROPHONE KEYED

VHF 3 KEYING — NOT HOOKED UP

EVENT MARKER — ⊥ = EVENT NOTED BY FLIGHT ENGINEER

TRO1, TRO2, TRO3: Φ = UNLOCKED, ⊥ = LOCKED

TRD1, TRD2, TRD3: Φ = DEPLOYED, ⊥ = STOWED

END OF PARAMETER LIST THIS PASS

BEGINNING DUMP OF PASS PARAMETERS

Considered as a pair:

Φ Φ = PRESSURE ALTITUDE > Φ

⊥ Φ = FAIL FLAG

Φ ⊥ = NO COMPUTED DATA

⊥ ⊥ = PRESSURE ALT < Φ

WESTERN DC-10
MEXICO CITY
31-OCT-79
PART 4 OF 5

Carl A Pabst
11/9/79

0077

QUALITY CONTROL CHECK

73

ATSB DATA DUMP PROGRAM
09-NOV-79 WESTERN AIRLINES DC-10 AT MEXICO CITY, 31-OCT-79

TRIP	DATE	LEG																
S FRAME	CAUSE	GPT	VHF1	VHF2	VHF3	HF1	HF2	EVENT	TRU1	TRD1	TRU2	TRD2	TRU3	TRD3	FLAG1	FLAG2
1291.	01:26	11:33	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1292.	01:26	11:33	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1293.	01:26	11:33	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1294.	01:26	11:33	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1295.	01:26	11:33	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1296.	01:26	11:33	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1297.	01:26	11:33	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1298.	01:26	11:33	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1299.	01:26	11:33	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1300.	01:26	11:33	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1301.	01:26	11:33	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1302.	01:26	11:33	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1303.	01:26	11:34	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1304.	01:26	11:34	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1305.	01:26	11:34	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								

0078

QUALITY CONTROL CHECK

74

EASTERN AIRLINES DC-10 AT MEXICO CITY, 31-OCT-79

TRIP DATE LEG

S FRAME	LAPSE	GMT	VHF1	VHF2	VHF3	HF1	HF2	EVENT	TRU1	TRD1	TRU2	TRD2	TRU3	TRD3	FLAG1	FLAG2
1306.	01:27	11:34	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1307.	01:27	11:34	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1308.	01:27	11:34	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1309.	01:27	11:34	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1310.	01:27	11:34	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1311.	01:27	11:34	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1312.	01:27	11:34	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1313.	01:27	11:34	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1314.	01:27	11:34	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1315.	01:27	11:34	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1316.	01:27	11:34	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1317.	01:27	11:34	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1318.	01:27	11:35	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1319.	01:27	11:35	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1320.	01:27	11:35	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								

1079

QUALITY CONTROL CHECK

15

04-NOV-79 WESTERN AIRLINES DC-10 AT MEXICO CITY, 31-OCT-79

TRIP DATE LEG

S FRAME	LAPSE	GMT	VHF1	VHF2	VHF3	HF1	HF2	EVENT	TRU1	TRD1	TRU2	TRD2	TRU3	TRD3	FLAG1	FLAG2
1321.	01:29	11:35	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1322.	01:28	11:35	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1323.	01:28	11:35	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1324.	01:28	11:35	1	0	1	0	0	0	1	1					0	0
			1	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1325.	01:29	11:35	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1326.	01:28	11:35	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1327.	01:28	11:35	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1328.	01:28	11:35	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1329.	01:28	11:35	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1330.	01:28	11:35	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1331.	01:28	11:35	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1332.	01:28	11:35	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1333.	01:28	11:36	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1334.	01:28	11:36	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1335.	01:29	11:36	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								

0050

QUALITY CONTROL CHECK

76

09-NOV-79 WESTERN AIRLINES DC-10 AT MEXICO CITY, 31-OCT-79

TRIP DATE LPG

S FRAME	LAPSE	GMT	VHF1	VHF2	VHF3	HF1	HF2	EVENT	TRU1	TRD1	TRU2	TRD2	TRU3	TRD3	FLAG1	FLAG2
1336.	01:29	11:36	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1337.	01:29	11:36	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1338.	01:29	11:36	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1339.	01:29	11:36	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1340.	01:29	11:36	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1341.	01:29	11:36	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1342.	01:29	11:36	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1343.	01:29	11:36	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1344.	01:29	11:36	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1345.	01:29	11:36	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1346.	01:29	11:36	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1347.	01:29	11:36	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1348.	01:29	11:37	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1349.	01:29	11:37	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1350.	01:29	11:37	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								

0081

QUALITY CONTROL CHECK

77

09-NOV-79 WESTERN AIRLINES DC-10 AT MEXICO CITY, 31-OCT-79

TRIP DATE LEG

S	FRAME	ELAPSE	TIME	VHF1	VHF2	VHF3	HF1	HF2	EVENT	TRU1	TRD1	TRU2	TRD2	TRU3	TRD3	FLAG1	FLAG2
	1351.	01:30	11:37	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1352.	01:30	11:37	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1353.	01:30	11:37	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1354.	01:30	11:37	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1355.	01:30	11:37	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1356.	01:30	11:37	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1357.	01:30	11:37	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1358.	01:30	11:37	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1359.	01:30	11:37	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				1	0	1	0	0	0								
	1360.	01:30	11:37	1	0	1	0	0	0	1	1					0	0
				1	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1361.	01:30	11:37	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1362.	01:30	11:37	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1363.	01:30	11:38	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1364.	01:30	11:38	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1365.	01:30	11:38	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								

0052

QUALITY CONTROL CHECK

TRIP DATE LEG

S FRAME	ELAPSE	GMT	VHF1	VHF2	VHF3	HF1	HF2	EVENT	TRU1	TRD1	TRU2	TRD2	TRU3	TRD3	FLAG1	FLAG2
1396.	01:33	11:40	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1397.	01:33	11:40	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1398.	01:33	11:40	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1399.	01:33	11:40	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1400.	01:33	11:40	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1401.	01:33	11:40	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1402.	01:33	11:40	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1403.	01:33	11:40	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1404.	01:33	11:40	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			1	0	1	0	0	0								
1405.	01:33	11:40	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1406.	01:33	11:40	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1407.	01:33	11:40	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1408.	01:33	11:41	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1409.	01:33	11:41	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			1	0	1	0	0	0					1	1		
			0	0	1	0	0	0								
1410.	01:33	11:41	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
			0	0	1	0	0	0								

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QUALITY CONTROL CHECK

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09-NOV-79. WESTERN AIRLINES DC-10 AT MEXICO CITY, 31-OCT-79

TRIP DATE DEG

S FRAME	LAPSE	GMT	VHF1	VHF2	VHF3	HF1	HF2	EVENT	TRU1	TRD1	TRU2	TRD2	TRU3	TRD3	FLAG1	FLAG2
1411.	01:34	11:41	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
1412.	01:34	11:41	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
1413.	01:34	11:41	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
1414.	01:34	11:41	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
1415.	01:34	:41	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			0	0				
			0	0	1	0	0	0					0	0		
1416.	01:34	20:46	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
1417.	01:34	20:46	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
1418.	01:34	20:46	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
1419.	01:34	20:46	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
1420.	01:34	20:46	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
1421.	01:34	20:46	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
1422.	01:34	20:46	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
1423.	01:34	20:46	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
1424.	01:34	20:46	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		
1425.	01:34	20:47	0	0	1	0	0	0	1	1					0	0
			0	0	1	0	0	0			1	1				
			0	0	1	0	0	0					1	1		

25 HOUR OLD DATA

BCSY

QUALITY CONTROL CHECK

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TRIP DATE LEG

S	FRAME	LAPSE	GMT	VHF1	VHF2	VHF3	HF1	HF2	EVENT	TRU1	TRD1	TRU2	TRD2	TRU3	TRD3	FLAG1	FLAG2
	1381.	01:32	11:39	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1382.	01:32	11:39	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1383.	01:32	11:39	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1384.	01:32	11:39	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1385.	01:32	11:39	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1386.	01:32	11:39	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1387.	01:32	11:39	0	0	1	0	0	0	1	1					0	0
				1	0	1	0	0	0			1	1				
				1	0	1	0	0	0					1	1		
				1	0	1	0	0	0								
	1388.	01:32	11:39	1	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1389.	01:32	11:39	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1390.	01:32	11:39	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1391.	01:32	11:39	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1392.	01:32	11:39	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				1	0	1	0	0	0								
	1393.	01:32	11:40	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1394.	01:32	11:40	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				0	0	1	0	0	0								
	1395.	01:32	11:40	0	0	1	0	0	0	1	1					0	0
				0	0	1	0	0	0			1	1				
				0	0	1	0	0	0					1	1		
				1	0	1	0	0	0								

0015

QUALITY CONTROL CHECK

TRIP DATE DEG

S FRAME	GMT	VHF1	VHF2	VHF3	HF1	HF2	EVENT	TRU1	TRD1	TRU2	TRD2	TRU3	TRD3	FLAG1	FLAG2
1366.	01:31 11:38	0	0	1	0	0	0	1	1					0	0
		0	0	1	0	0	0			1	1				
		0	0	1	0	0	0					1	1		
		0	0	1	0	0	0								
1367.	01:31 11:38	0	0	1	0	0	0	1	1					0	0
		0	0	1	0	0	0			1	1				
		0	0	1	0	0	0					1	1		
		0	0	1	0	0	0								
1368.	01:31 11:38	0	0	1	0	0	0	1	1					0	0
		0	0	1	0	0	0			1	1				
		1	0	1	0	0	0					1	1		
		1	0	1	0	0	0								
1369.	01:31 11:38	1	0	1	0	0	0	1	1					0	0
		1	0	1	0	0	0			1	1				
		1	0	1	0	0	0					1	1		
		0	0	1	0	0	0								
1370.	01:31 11:38	0	0	1	0	0	0	1	1					0	0
		0	0	1	0	0	0			1	1				
		0	0	1	0	0	0					1	1		
		0	0	1	0	0	0								
1371.	01:31 11:38	0	0	1	0	0	0	1	1					0	0
		0	0	1	0	0	0			1	1				
		1	0	1	0	0	0					1	1		
		0	0	1	0	0	0								
1372.	01:31 11:38	0	0	1	0	0	0	1	1					0	0
		0	0	1	0	0	0			1	1				
		0	0	1	0	0	0					1	1		
		0	0	1	0	0	0								
1373.	01:31 11:38	0	0	1	0	0	0	1	1					0	0
		0	0	1	0	0	0			1	1				
		0	0	1	0	0	0					1	1		
		0	0	1	0	0	0								
1374.	01:31 11:38	0	0	1	0	0	0	1	1					0	0
		0	0	1	0	0	0			1	1				
		0	0	1	0	0	0					1	1		
		0	0	1	0	0	0								
1375.	01:31 11:38	0	0	1	0	0	0	1	1					0	0
		0	0	1	0	0	0			1	1				
		0	0	1	0	0	0					1	1		
		0	0	1	0	0	0								
1376.	01:31 11:38	0	0	1	0	0	0	1	1					0	0
		0	0	1	0	0	0			1	1				
		0	0	1	0	0	0					1	1		
		0	0	1	0	0	0								
1377.	01:31 11:38	0	0	1	0	0	0	1	1					0	0
		0	0	1	0	0	0			1	1				
		0	0	1	0	0	0					1	1		
		0	0	1	0	0	0								
1378.	01:31 11:39	0	0	1	0	0	0	1	1					0	0
		0	0	1	0	0	0			1	1				
		0	0	1	0	0	0					1	1		
		0	0	1	0	0	0								
1379.	01:31 11:39	0	0	1	0	0	0	1	1					0	0
		0	0	1	0	0	0			1	1				
		0	0	1	0	0	0					1	1		
		0	0	1	0	0	0								
1380.	01:31 11:39	0	0	1	0	0	0	1	1					0	0
		0	0	1	0	0	0			1	1				
		0	0	1	0	0	0					1	1		
		0	0	1	0	0	0								

QUALITY CONTROL CHECK

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