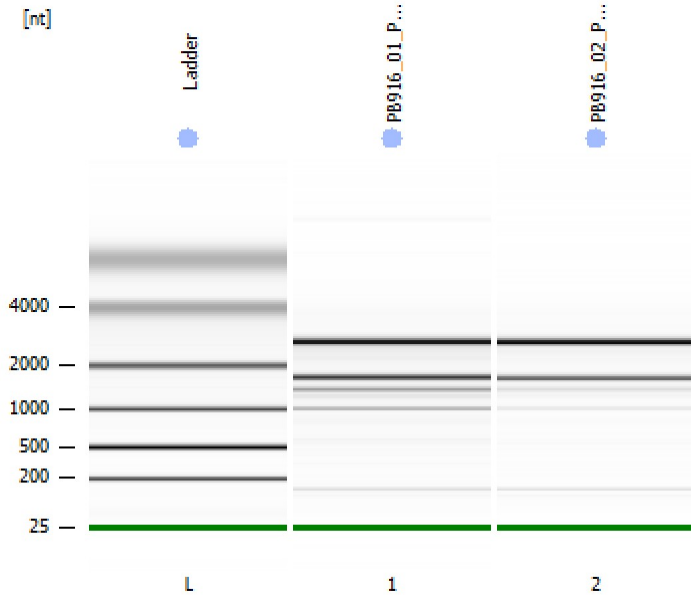


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...analyzer1_Eukaryote Total RNA Nano_PB916_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
Modified: 5/25/2023 9:44:13 AM

Electrophoresis File Run Summary



Instrument Information:

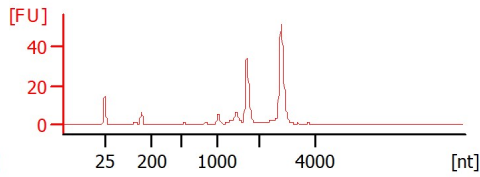
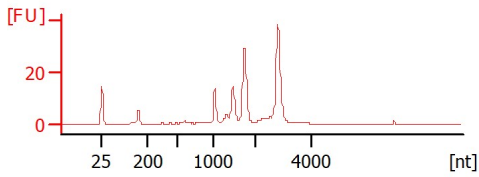
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\DV200 RNA Nano.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
Modified for DV200 Analysis

Chip Information:




Chip Lot #:
Reagent Kit Lot #:
Chip Comments:



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...analyzer1_Eukaryote Total RNA Nano_PB916_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
 Modified: 5/25/2023 9:44:13 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
PB916_01_Pool1_totalRNA	A	✓	RIN: 7.80	
PB916_02_Pool2_totalRNA	A	✓	RIN: 9.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...analyzer1_Eukaryote Total RNA Nano_PB916_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
 Modified: 5/25/2023 9:44:13 AM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
 Minimum Visible Range [s] : 17
 Maximum Visible Range [s] : 70
 Start Analysis Time Range [s] : 19
 End Analysis Time Range [s] : 69
 Ladder Concentration [ng/μl] : 150
 Lower Marker Concentration [ng/μl] : 0
 Upper Marker Concentration [ng/μl] : 0
 Used Lower Marker for Quantitation
 Standard Curve Fit is Logarithmic
 Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
 Integration End Time [s] : 69
 Slope Threshold : 0.6
 Height Threshold [FU] : 0.5
 Area Threshold : 0.2
 Width Threshold [s] : 0.5
 Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
 Polynomial Order : 4

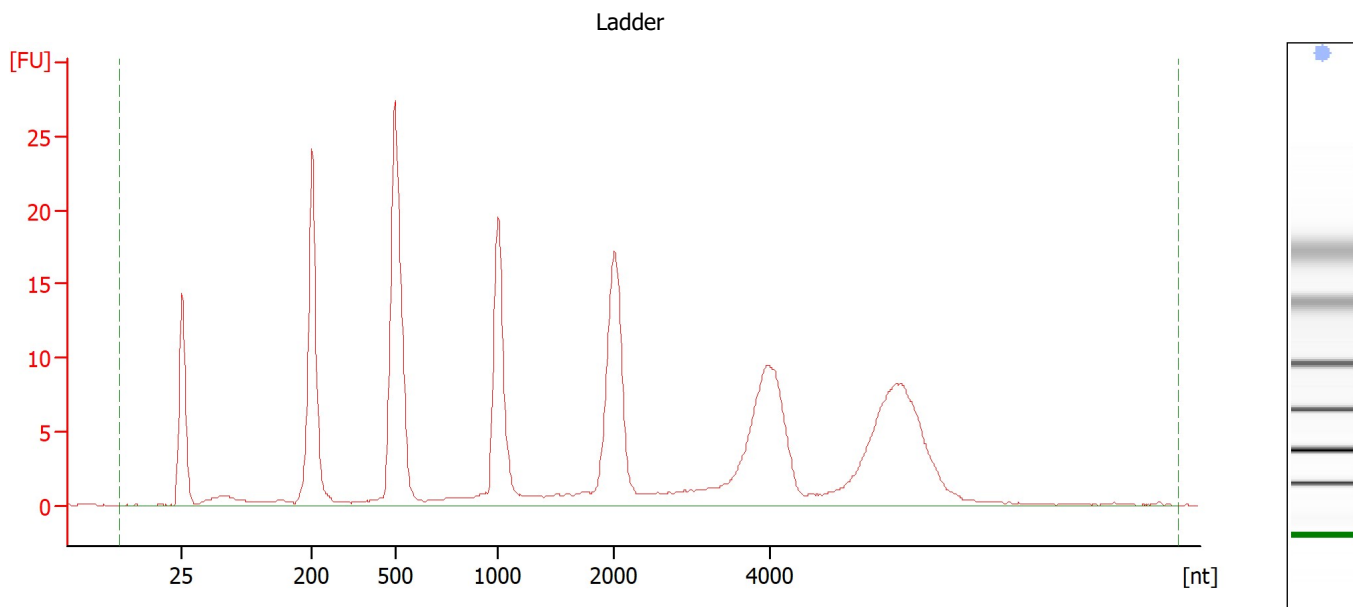
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...analyzer1_Eukaryote Total RNA Nano_PB916_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
Modified: 5/25/2023 9:44:13 AM

Electropherogram Summary



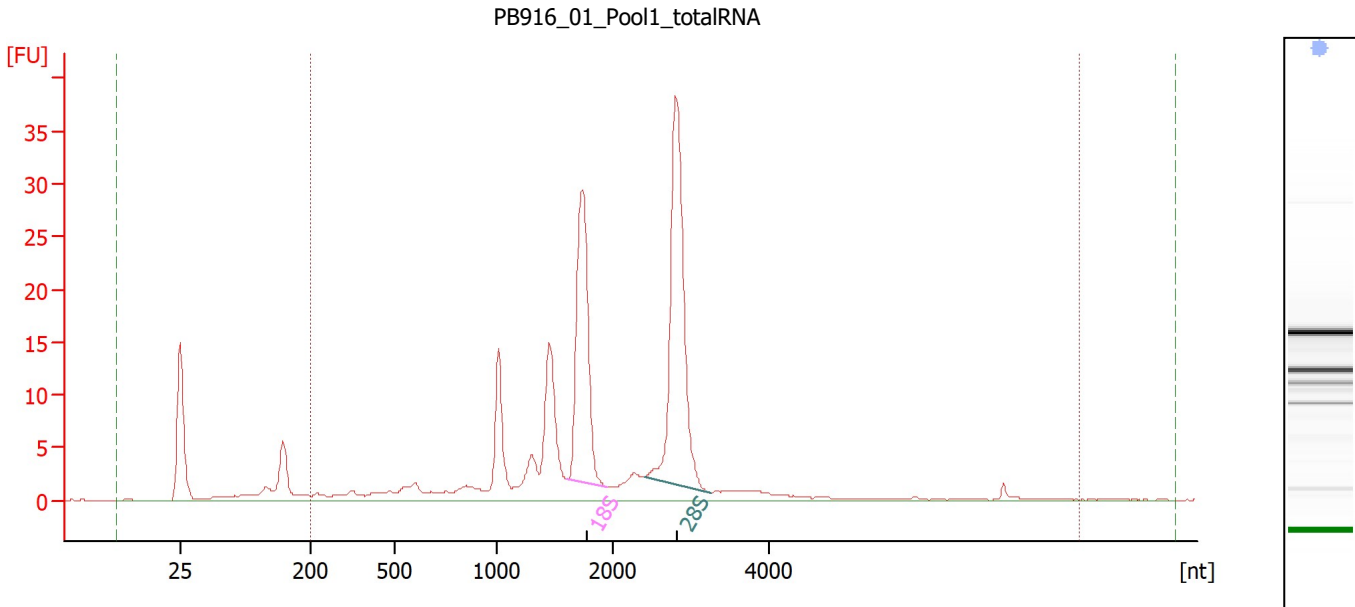
Overall Results for Ladder

RNA Area:	259.6	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...analyzer1_Eukaryote Total RNA Nano_PB916_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
 Modified: 5/25/2023 9:44:13 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : PB916_01_Pool1_totalRNA

RNA Area:	219.9	Result Flagging Color:	
RNA Concentration:	127 ng/μl	Result Flagging Label:	RIN: 7.80
rRNA Ratio [28s / 18s]:	1.4	Corr. Area 1:	202.2
RNA Integrity Number (RIN):	7.8 (B.02.10, Anomaly Threshold(s) manually adapted)		

Fragment table for sample 1 : PB916_01_Pool1_totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,598	1,936	41.7	19.0
28S	2,400	3,239	57.0	25.9

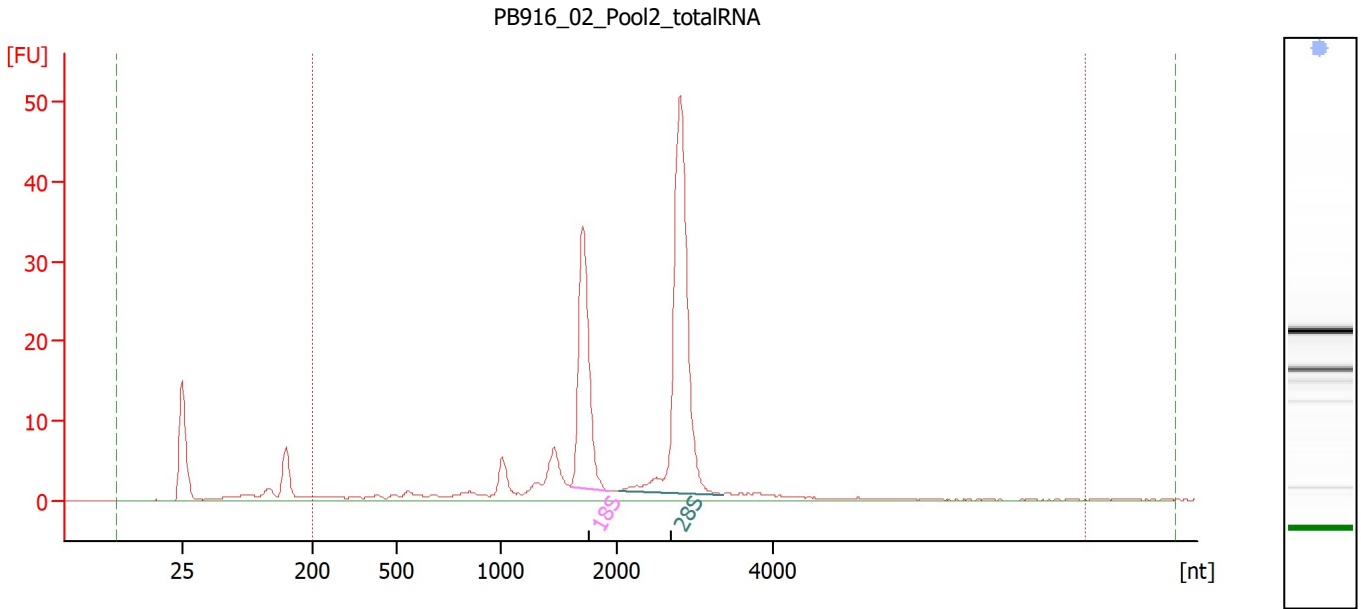
Region table for sample 1 : PB916_01_Pool1_totalRNA

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	202.2	92	

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...analyzer1_Eukaryote Total RNA Nano_PB916_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
 Modified: 5/25/2023 9:44:13 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : PB916_02_Pool2_totalRNA

RNA Area:	209.2	Result Flagging Color:	
RNA Concentration:	121 ng/μl	Result Flagging Label:	RIN: 9.10
rRNA Ratio [28s / 18s]:	1.8	Corr. Area 1:	189.3
RNA Integrity Number (RIN):	9.1 (B.02.10)		

Fragment table for sample 2 : PB916_02_Pool2_totalRNA

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,592	1,920	43.7	20.9
28S	2,017	3,360	80.7	38.6

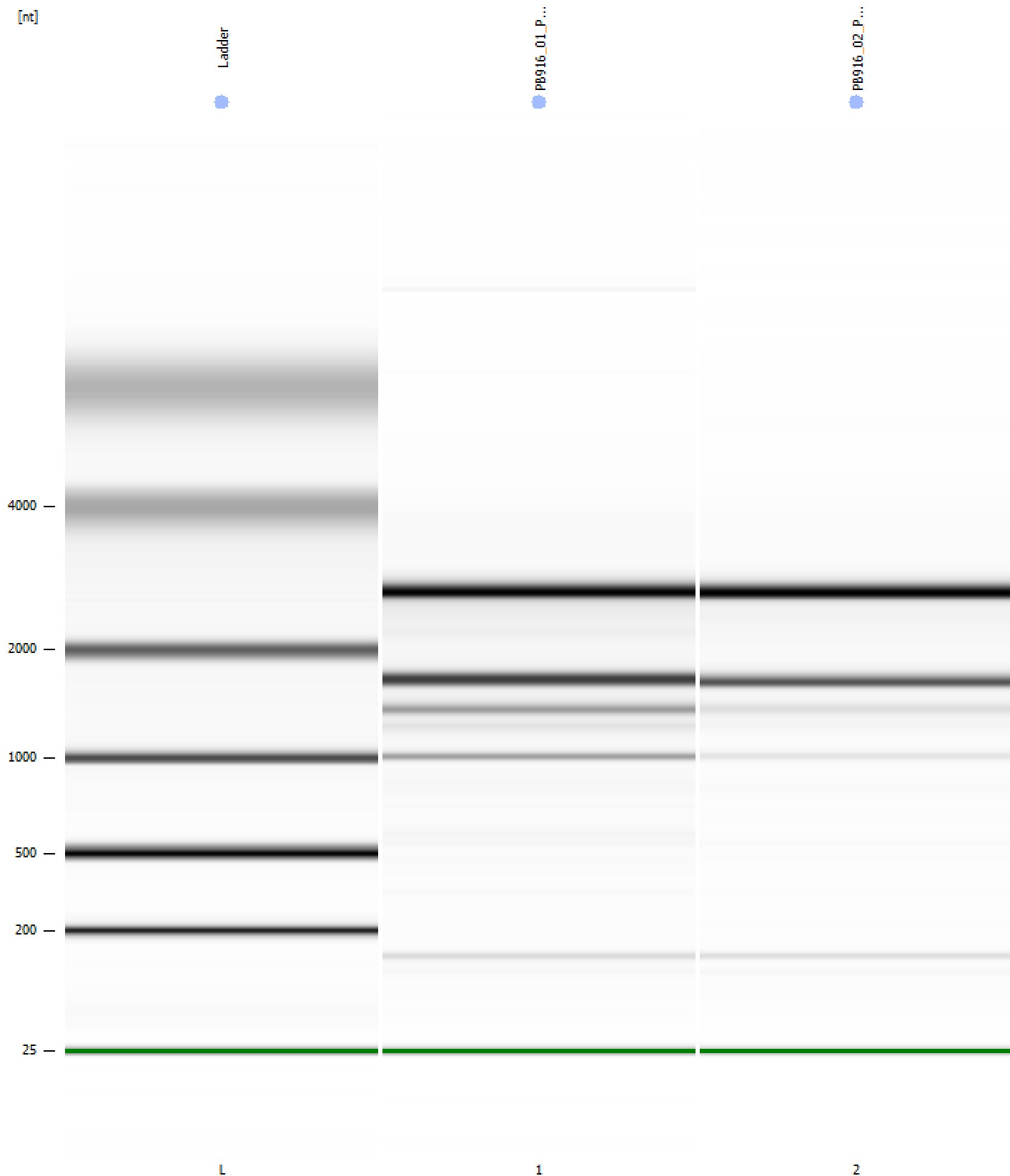
Region table for sample 2 : PB916_02_Pool2_totalRNA

Name	From [nt]	To [nt]	Corr. Area	% of Total	Color
DV200	200	8,000	189.3	90	

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...analyzer1_Eukaryote Total RNA Nano_PB916_2023-05-25_001.xad

Created: 5/25/2023 9:00:40 AM
Modified: 5/25/2023 9:44:13 AM

Gel Image



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...analyzer1_Eukaryote Total RNA Nano_PB916_2023-05-25_001.xad
 Created: 5/25/2023 9:00:40 AM
 Modified: 5/25/2023 9:44:13 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		5/25/2023 9:24:34 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: C:\Users\sbsuser\Desktop\2023-05-25\Bioanalyzer1_Eukaryote Total RNA Nano_2023-05-25_001.xad)		Instrument	Run		5/25/2023 9:00:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		5/25/2023 9:00:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		5/25/2023 9:00:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		5/25/2023 9:00:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		5/25/2023 9:00:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		5/25/2023 9:00:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		5/25/2023 9:00:48 AM	(GMT --07:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB