TRP Installation and user guide

Ypqp°pynp@_YV;;







7 _YGI RLYZ KLZI YPVV PV U

_YW; °Invp°x Ity q yn tzy @

- Zsznv lyo twx pl °px py zy9 lt 2q°pp qlwulyo px «p°l °p
- _txp3 lx «poxpl °p z°potylow/sxpxz°
- NWZ «z t tzy °pnz °otyr
- Ry pr°l po py z°@
- 9 ltlnnpwp°zxpp°lyopx«p°l °ppyz°
- NWZ

8 YMT V UP_V Y RUZ_GSSG_PV U V a LYa RLb



847 Npyp°l wop n°t« tzy

G z °xpl °pxpy tp2 z yppo zsl plopotnipoWi tsYMTzytz°ty iwpo z@

- Izydpr °p sp z«p°l tyr x zop 2 sp x pl °px py «p°tzo 2 sp s°p szwo lyo sp lwl°x
- Kt«wl spxpl °p2rpyp°lpIZaz°WKMotypo
- Izwapon z ° °Invp° x pl °p . tyr IYM3z3/ZHvp /
- Mawaty spollmlp

Pt «z tmwp zlnnp spollmlp tyr sp zq l°p KHT zyt z° «°z topo4

9 PUZ_GSSG_PVUVMYMTVUP_VYGUKKHTVUP_VY

<u>WSLGZLUV_L_OG_dV'T'Z_OGaLGKTRJFZ_YG_VYYRNO_ZVU_OLIVTW_LY_VRJZ_GSSYM</u> <u>TVUP_VY</u>

7^z- zv s' _pv u @ _____

lzyypn spxplwwtn'ZH z°lrpvp

atl b tyoz p «vzr°l z°2 ot «w/ sp nzypy zq sp 'ZH vp lyo oz mwp3nwtnv zy **Up pzRtj c4c4cj66666666j p «4p p**4

> 8^{uk} ZV S'_PV U @KV b USV GK YMT V UP_VY MV SSV b PUN_OL SPUR

<u>s «@25 ««z°4yp pz4nzx5n zxp°5q°5</u>q°5«z°lv&l°tnwp/57799===3+l9+G?w+l9+G?nsl°rpxpy3°αβ <u>xzytz°</u>

- Vy sp q° tyoz pwpon sp whyr lrp2 spy qz°l » tnv ty lwwl tzy vpp« sp opd w p tyr m lwtol tyr sp nnp t p tyoz q²zx sp p « «°zr°lx 4G sp pyo zq sp ty lwwl tzy2 pwpon sp z« tzy *Ypmzz yz* lyo nwtnv zy *Myt s* 4
- Vynp spnzx « p°°p l° 2wl yns YMTzytz° zq l°pm oz mwp3nwtnvtyr zy sp sz°n n°pl pozy spop v z« z°q²zx sp l° Tpy
- Vy sp Ozxp tyoz zq sp nzydpr°ltzy tl°o2 pwpon sp wyr lrp lyonwnov zy Up

tione	Welcome,
General	Plazare follow the stress to fine ion APMonitor esture .
Lizzenia'	You will be able to would a software preferring fater trough unbrase outparts
Lite House	The second date in advant database and study includes reports
Alere A	
	Eanguage, Sefers proceeding please select software is teawn in list show
. 1	Take

• Vysp *Npyp°lw* tyoz ząspnzydpr°ltzy tl°onworvzy *Up* 4

Ypxl°v @Vynp spty lwk/tzysl mppynzx«wppo2spnzydpr°ltzyxl twwmpnslyrpo .°trs3nwtnv zy spwtypzq sp°lnvp° spynwtnv zy *lzydpr °ltzy* zy spYMTzytz° «°zr°lxz«tzy

 bspy °p» p po m sp p « tl°o2 °px z p sp whmpw ty lww sp zq l°p mpop °p ty p° tyr lyo ty p° sp YMS_z3 'ZH vp «°pop°lmw tyr sp 'ZH p py tzy

Hume	Licence
General	Please connect a RF-to-USB key .
Data increase	
Read .	
	· · · · · · · · · · · · · · · · · · ·

- Ry sp tl°o tyoz *Stnpynp*
- nwtnvzy *Up* 4
- Ry sp tyoz KI / z^o/rp z yppo z nzydpr ^ol p sp ol lml p nzyypn tzy

0-M



	Gxp	lrp	tww.mpot.«w/	potqspnzyypntzy	nnppopo ²
--	-----	-----	--------------	-----------------	----------------------

_st tycz°xl tzyt «°z topozy spwl/mpw ««wtpo ts spop tnp

WEBMONITOR

Nom de la base Identifiant Not de passe: QHPOQV

Check connection

Rqz ozy-slpsttycz°xltzy«wplpnzyln z°

key12 Configuration

RF Monitor & DB Monitor Hote do. Newslea-webeanitor.com

KEY001928

art [443] HELISati

I spnv spnzyypn tzy

() local database Remote database : Database type : MySQL Database connection settings Hostname: db.newsteo-webmonitor.com HTTP Encapsulation : \square Port 443 Username KEY001688 Password : Use existing database KEY001688 W Check connection

yppo z pwpon keYpxzpollmlp–lyonzx«wpp sptycz°xltzy ts sp p°ylxp2 dz z°olyoollm pylxp4 «I

««wap°4

RFMonito	or first run
Home Seneral Jicence Data storage	Data storage Database : GOLD licence let's you choose between a local database (such as a PREMIUM licence) and a MySQL database Configurer Database must be configured
	Documents root folder : All documents generated by the application (csv reports, pdf reports, charts, local database,) will be stored in this folder. Please verify that each system user has the permission to access this folder C.\Users\Public\Documents\NEWSTEO\RFMontor Beware, since this version, to prevent user access rights problems, default root folder path has changed 1

🐑 local database	
Remote database :	
	[70/78-201
Database type :	MySQL -
Database connection sett	ings
Hostna Check cor	nnection
HTTPE	
	Database connection test succeed
Userna	
Passwo	OK
Passwo	ОК
Passwo Use	

nwanvzy *Up* 4.



Wwplpyzpsltqz ly z«z «zypspoll z°lrpnzydpr°ltzy2z twwmplmwpz °p°yzt dyzx YMTzytz°@ZptyrDlzydpr°ltzy tl°o



Hopd, w splox tyt °l z°nzyypn tzy vzrtyt l czwez @

Zpwpn spwznlwxzop

₩ z°o@789:



Pq z yppo z x zotq splox tyt °l z° vzrty z x l oz z d'zx sp Zp tyr D'p° x lylrpx py@



: Z_GY_RUN_OL_YGI RLY b P_OYMT VUP_VY

:47 YMT SI yns 33Zl°tyr sp°lnvp°

_sp °lnvp°t opwtyp°potyOtmp°yl tzyxzop.wpp«tyrxzop/4

73 Sl yns YMTzytz° 83 Izyypn z °YM3z3′ZHvp 2t twwmpl««pl°tyr tynslyypw7

Key co	ntrol Command list	Device Monitoring					
#COM	Key serial number	RF settings	Key hardware	Key firmware	Baud rate	License type	License number
COM9	KEY001E7C	Chi EU1 10dBm 30mA	KEY111	v19.0.9	625000	Premium	1H0T-HDM5A-6LPAM-MUK33-LRYN
		RADIO CHANNEL					

93 V«py sp_YWIyo«whnp spml p°tp

- :3 Gntlpz°°lnvp°m t«tyr spxlrypzy spoptrylpol°pl G ««z° topztlltw/mwpozwaz tyr spwtyv@ <u>s «@35 ««z°4yp pz4nzx5n zxp°5q*5xz°lw5l°tnwp58==<:>83 to+l9+G?z3o31top3«z °3 wp3yp pz3°lnvp°333°+l9+G?q+l9+G?°pynp3°p3p3°«/</u>
- _st Intzy twetx x potl pw qz°np sp nz x x ytnl tzy mp ppy sp Rp lyo sp_°lnvp°



;3VyYMTzytz°2sp°lnvp° twwl zxltnlwwl««pl°ty spwt zqoptnp@

Description	Product t	Aleits	Conti	ID	Serial number	Battery	RF settings	Nest transmi	measules	Device's commands	Current mode/statu	e Sensor 1	Sensor 2	Sensor 3	Firmware
TRE TEST	TRE35-2	A	13	2022	TRE0007E6	👔 84% / 3.46V	all Canal 7	00s	12 measures	· None	Live / Presence				1.4.45 Live/record
dentification of t	approximation of the second se		uratio	nimen	W.	Battery/level	Radio channel	Time remaining before the next transmission	t	lumber of command old-indicates whethe ransmission took pla	r the radio	State of the t (Live/Record			Firmware

; I V UMPN' YG_PV U V M_OL _YGI RLY b P_O YMT V UP_VY

;47 Izydpr °Itzyxpy

- Iwtnv zy sp zzw 📈 tnzyzqspwzrrp°-wtyp.*V°°trs 3nwtnv zy sp wzrrp°-wtyp*/
- _spy nythov zy kk/zydpr % tzy-4

Serial number	Battery	RF settings	Next transmi	measures	Device's
TRE0007E6	86% / 3 47V	ull Cand 7	47:	19 measures	None
		1.0000		Display curves of m	easures
				Configuration	

;48 Lpn tzyzqsp nzxxlyo

Mz°l nzxxlyo z mplvpy tyzlnnz y @

- Z t«p spxlryp zy sp °lnvp° z p pn p spnzxxlyo
- V° blt q° spyp °lotz °ly xt tzy.B7 xty p/ _sp °lnvp° pyo l°lotz trylw«°p pynpp p° xty p

RFMonitor PREM	IUM - 7.10.	7.22-v	vorkspac	e_2018-1	2-26.xml				1						
File View Databa	ise Tools	Settings	Sessio	n ?											
Description	Product I	Alerts	Confi.	ID	Serial number	Battery	RF settings	Nest transmi	measures	Device's commands	Current mode/status	Sensor: 1	Sensor 2	Sensor 3	Firmware
TRE TEST	TRE35-2	A	X	2022	TRE0007E6	👔 86% / 3.47V	dill Canal 7 Europe	09:	19 measures	 1 command(s) waiting 	Live / Presence				1.4.45 Live/record

ZMKV3_YW;36683676>

 _spxplrp 7 nzxxlyo lttyr otl««pl° l zzyl spnzxxlyosl mppylvpytyz lnnzy4

;49 W/zon topy toph tzy

- Zpwpon splm Kp tnp topy toph tzy
- Zpwpon I «p°zylwt potopytdp°. RK 2y x mp°mp ppy6 lyo <;;9;/</p>
- Ly p°l op n°t« tzy
- IwinvzykłZpyo– z Iwiolpspxzotopnitzy

Device identification	RF Settings	Time & Period	Vite Formulas	🔸 Firmware	
Identification					
🕽 Serial Number:	TR#000	D			
Device ID:	123				
Device Description	DESCRIPTION				
Product type:	T Fill 352				
Firmware's type:	Live/reco	rd		Firmware version:	1,4,45

;4 Islyrtyr sp°lotz nslyypw

Zpwpon splm YMZp tyr

Device identificat	ion 🧍 RF Settings 🚇	Time & Period $\sqrt{f(x)}$ Formulas 🪽	Firmware
Radio channel			
	Localization:	Europe 868 MHz	🔾 915 MHz
	Boot channel:	Chi EU1	
	Working channel:	Chi 1 (865.2MHz) 🗸	
Power consumption			
	Output power:	🚮 10dBm 30mA 🗸 🗸	Default is +10dBm
	Sensitivity:	High O Low	Default is High
Canal securization			
	Active		

- H opd w sp °lnvp° lyo sp YMB_z3 ZH vp l°p p zy nslyypw7 33 lslyypw7 «°z «p° tp @b spy sp vp t p zy lslyypw72 z nly op pn sp °lnvp° stns l°p zy ly z sp° nslyypw7 t l op pn tzy nslyypw4
- Rgyppopo z x l nslyrp sp°lotz nslyypwozwaz tyr sp p « @

74 Mt° z yppo z nslyrp spnslyypwzqsp°lnvp° 84 blt cz°spyp °lyxt tzyz° t«p spxlryp zy sp°lnvp°zppn p spnzxxlyo 94 lslyrp spnslyypwzqspYM3_z3″ZHvp m°trs 3nwinvtyr zy spwtypzqspvp

#COM	Key serial number	RF settings	Key hardware	Key firmware	Baud rat
COM9	KEY001E7C	Chi EU1 10dBm 30mA	KEY111	190.9	e opining
	In the on the way we want			Configure	key

:4 Islyrp sp°lotz nslyypwty *YMZp tyr*

;4 St p5°pnz°o x z op

Zpwpon splm _*tx plyo Wp°tz o*

Device identification	RF Settings I Time & Period $\sqrt{f(\omega)}$ F	Formulas 🤳 Firmware		
irmware mode :				
Live / record mode	✓ Leds	On command 'start record', open silent mode confirmation box		
O Monitoring mode	0 versampling	contirmation box		
	Buffer restitution : 255			
Period settings				
Live period:	O Normal : 00 h 00 min	Fast: 55 s		
Record period:	Normal: 00 h 10 min	◯ Fast : 00 °		

St p «p°tz o @ k pl °p °pnz °opo z top s p °pnz °otyr «p°tz o

_sp_YW; lvp lxpl °pl spnzydpr °lpowtrp«p°tzo.76 m opdj w/lyo pyo t z sp ₩4

 $YMTzytz^{\circ}ot \ll w$ $spxpl^{\circ}p$ $tsz^{\circ}pnz^{\circ}otyr$ $t4_sp$ $p^{\circ}nly lwz nspnv sp^{\circ}lnvp^{\circ}qyn tzytyr 2 p$ $sp s^{\circ}pszwo lyo spxpl^{\circ}pxpy \ll p^{\circ}tzo qz^{\circ}sp nzxtyr x pl^{\circ}pxpy nlx \ll ltry4$

Ypnz°o «p°tz o @xpl °pxpy «p°tz o o °tyr sp°pnz°otyr

- UVYTGS@xpl °pxpy «p°tzoq²zx 7 xty p z l : sz °
- MGZ_@xpl °pxpy «p°tzod²zx 7 pnzyo z;? pnzyo

;4< bstnsxzopszwoz pwpnE

Mz° sp_YW; pwpon spwtrp5°pnz°oxzop.p «mopod w/

;4= T pl °px py d°p» pyn

_spstrsp°spxpl °pxpyq°p» pynt2spql p°spxpxz° twwnpqw4

Mz°plx«wpo@l7xy«p°tzo tww.qbww.spxpxz° ty8xzys ts86;66°pnz°opo sznv lyopx«p°l °p4

bsp°pl l7; xy«p°tzo twwdpwyspxpxz° ty8 pl° ts8?666°pnz°opo sznv lyo px«p°l °p4

;4⊳ V p°lx «wtyr

- _spzp°lx«wyrz«tzylwaz zslplstrsp°xpl°pxpy q°p» pyn spy sp s°pszwort°plnspo4
- Wopl pmpl°tyxtyosl st z«tzytyn°pl p spml p°nzy x«tzy
- bspy sp s°p szwot pnppopo@
 ✓ _spx pl °px py «p°tzonslyrp z 7 x pl °p 5 x ty p ty sp UV YT GS «p°tzo
 ✓ _spx pl °px py «p°tzonslyrp z 7 x pl °p 5 pnzyoty sp MGZ_ «p°tzo

;4? _s°pszwo

- Ytrs 3 hours zy spontypzq spop top spy zy I zydpr °I tzy
- Zpwpon splm _*s°p sz wo z° Mz°x w*/

TRu0007 : Configura	ation	1000			
Device identification	Î RF Settings	Time & Period A Three	holds 🔸 Firmware		
Temperature Ac	c Norm Height	Energy Norm			
	-				
🗌 Disable	-15.0 📮	10.0 🛊 📕 35.0 🐳	60.0 😜		
A	-15.0	10,0	350	80 0	
-40°C					85°C
TRE0007E6 : Configura	ation				
Device identification	😚 RFSettings (Time & Period Vea Form	Jas 👃 Firmware		
			Himware		
e Factory Product	- Product.				
res:	Name:	Temperature		Unit	°C
erodic Teno hocka	Range:	-40) 85 jMr	(Max)	Data encoding:	16 🌩 bit
reeFal nergy	Hide graph:				
vènements	Fs (s) =	1			
imulas :		2 //FIRMWARE_THRE	SHOLD;		
ercenture	5	4 //DO NOT_EDIT;			
		5			
		7			
		4			2
	Thresholds		-15 📮 10	35 🛟	60 🤹
	Thiesholds	🗌 Dixable		towned and the second of the	- toward
	Thresholds	-13.0		33,0 EQ.0	
	#Blocs [6] / #Form	-13.0 -40°C	10,0	39,0 60,0	85°C

;476 lzydpr °ltzyzqsppx «p°l °ps°pszwo

Zp sp s°p szwo stns nz°°p «zyo z sp op t°po wo pwzqlwo° oz° sp °l nvp°@



- 74 Kl°v mwp°lyrp@°trrp° p° wz lwp° 84 Strs mwp°lyrp@°trrp° wz lwp° 94 N°ppy °lyrp @yz lyp° .yz °x lw°lyrp/ :4 V°lyrp°lyrp@°trrp° strs | wp°
- ;4 Ypo°lyrp@°trrp° p° strslwp°

;477 lzydpr °ltzyzqspsznv s°pszwo

Device identificati	on î RFS	Settings	Time & Period	A Threshold	s 🦊 Firmware		
Temperature	Acc Norm	Height	Energy Norm				
Disable		0.0 🔹	0.0 🌻 📕 3	000.C 🌲 3000.	C 🜲		
0.0 3000.0						. de	
mG							278

Mz° sp sznv z nly-sl p sznv vz p° sly p°z

Mz°ly sznvstrsp°sly9N.9666xN/2sp_YW; °pnz°o spppy.°pop°z pntzy?49/

_sp yt lmz pt ty x N

■ Ryz °plx«wp@

Mz° sp sznv wz p° sly 9N sp_YW; lvp spxpl °p °pr wl°w.°pop° z pn tzy?48/

;478 lzydpr °ltzyzq spsptrs s°pszwo

				Thresholds	Firmware	
Temperature	Acc Norm	Height	Energy Norm			
Disable		0	0 📮 🛛 30	÷ 30 ÷		
0,0 29,9		trained	basinal)			
0cm	÷					 500cm

Ryz °plx«wplmzp@ Mz° spd,ww.strsp° sly96nx sp_YW; °pnz°o spppy.°pop° z pntzy?4/

;479 lzydpr °l tzy zq sp Lyp°r Uz°x s°p szwo

Device identification	î RFS	Settings	Time & Period	🔥 Thresholds	🔸 Firmware		
Temperature A	Acc Norm	Height	Energy Norm				
Disable		0	0 🛊 📕 4	400	•		
0,0			409.0				

- _sppyp°r nlwawitzy lvp tyzlnnz y spo°l tzyzq sp sznv tyx 2 z nlysl plolwwwz p° sly p°z
- _sp yt Imz pt ty x Llx «wpmpwz @

Mz°l sznv tslo°l tzystrsp° sly:66x 2 sp_YW; °pnz°o sp sznvlyonlwa w p sp sznvpyp°r lvtyr tyzlnnz y sp sznvo°l tzylyo spxpl °pzq sp sznv4

;47: Ypnz°otyr nl x «l tr y

;47:47Zl°tyr sp°pnz°otyr

- Vynp spxzop *St p5°pnz °o* sl mppy pwpn po
- Iwbnvzy *ZI°° pnz°otyr*

Configuration	F3
Start recording	
Start booster mode	
Set to hibernate mode	
Download data	
Erase data	
Refresh	
Reports root directory	
Other commands	
Delete Device	Suppr
Clean list	

 blt qz° spyp °lotz °ly xt tzy z° t«p sp xlryp zy sp °lnvp° xlryp l°pl zppn p sp nzx xlyo4_sp vzrrp° pyo l «°p pynp°lotz trylwp p° xty p

measures	Device's commands	Current mode/status
5 measures	1 command(s) waiting	Record / Presence

_spnzxxlyosl mppy °plpo

measures	Device's commands	Current mode/status
6 measures	 None 	Live / Presence

; 47: 48 Ypnz °otyr

- _sp °lnvp° °pnz °o lyo z°p sp xpl °p ty t x px z° l sp «p°tzo ct po m sp p°
- L p° x ty p sp °lnvp° pyo l «°p pynp °lotz trylw z tyotnlp t l 2 sp s°p szwo stnsslpmppyp nppopolyo spy x mp° zqx pl °p ty x px z° 4
- _spy x mp°zqx pl °p ty x px z° l°p ot «who po ty sp nzw x y kkx pl °p zy sp wtyp zq sp op tnp
- bspy spx px z° t qww sp_YW; ozp y- °pnz°oly yp x pl °p lyo vpp« sp q° °pnz°opox pl °p

; 47: 49 Lyozq°pnz°otyr

• Iwhnvzy *Zz«°pnz°otyr* spyzy *Kz ywzlool*/

Configuration	F3
Stop recording	
Start booster mode	
Set to hibernate mode	
Download data	
Erase data	
Refresh	
Reports root directory	
Other commands	,
Delete Device	Suppr
Clean list	

;47; KII °pnz p°

Gnnp spollmlp

● lwbnvzy Tpl °p

RFMonit	or PRE	MIUM	- 7.10	.7.22 - w	ork
File View	Data	base	Tools	Settings	S
Description	-	Meas	sures		F
	A	Logs	: events	and alerts	F
	-	-		-	1.5

;47;47KIIdwpovznltzy

bspyoz ywzlotyr2sp °lnvp°rpyp°lp 8z°9фwp «pop«pyotyrzy spxzop stnssl mppy pwpnpo@

```
4n chwp 3DL npwcz°xl
4«oqchwp 3Dllx «ltry°p«z°.°pnz°otyr x zop zyw/
4mty chwp 3DKIlmlp
```

> Disque	local (C:) > Utilisateurs >	Public > Documents publics > NEWS	TEO > RFMonitor
	Nom	Modifié le	Туре
		02/10/2018 11:00	Dossier de fichiers
*	maps	odf file 02/10/2018 11:00	Dossier de fichiers
1	reports 🚄 🚽	CSV file 14/12/2018 16:08	Dossier de fichiers
*	RFDatabase 🛶 🛶	bin file 26/12/2018 14:50	Dossier de fichiers
*	traces	26/12/2018 09:25	Dossier de fichiers

Ry *Ypnz °o x z op* @sp °lnvp° oz wzlo t ollty spozwop° YLZ_P_'_RVU lyorpyp°lp |WKMz°IZadwpp

Disque local (C:) > Utilisat	teurs > Public >	Documents publics > NEW	STEO > RFMonitor	r > reports > logger	
Nom	^	Modifié le	Туре	Taille	
		20/12/2018 14:59	Dossier de fichi	ers	
restitutions		13/12/2018 09:48	Dossier de fichi	ers	

;47 < Zl tyr ol l ty sp °l nvp°

- Gly txp z nly oz ywzlo spwl 98666 °pnz°opo xpl °px py zqplns op tnp4
- Gwwxpl °pxpy l°p °prt p°poty spm qqp°xpxz° lyol°pzyw nwpl°po spy sp °lnvp° °p °tpzy sppxpl °pxpy 4
- H nwanvtyrzy *M wwx px z° oz y wz/o* z nly°p°tppspwl 98666 x pl°p

Display curves of me	as.res	None
Configuration	F3	
Start recording		
Start booster mode		
Set to hibemate mod	¢	
Download data		
Erase data		
Refresh		
Reports root directory	r l	
Other commands		Get configuration
Delete Device	Suppr	Get battery level
Clean list	100723	Set time
		Full memory download
License num	-	C

;47=Otmp°yl p sp °lnvp°

_sp °lnvp° x mp **stmp°ylpo**.wpp«tyr x zop/l sp pyo zq sp nlx«ltry z° p xpl °pxpy z **lpt mlp°tp o °tyr z°lrp**4

- Ytrs 3hwtnvzy spwtypzqsp°lnvp° spy p z stmp°ylpxzop
- Ispnvzy spwzrrp°wtyp sl sp l sl mppy nslyrpo z Otmp°yl tyr
- _z°plntlpsp°lnvp°2tx«wtyp° spYM3_z′ZHvplyo t«pspxlrypzysp xlrypl°pl4

Configuration	F3
Start recording	
Start booster mode	
Set to hibernate mode	
Download data	
Erase data	
Refresh	
Reports root directory	
Other commands	
Delete Device	Suppr
Clean list	

< 'ZPUN_OL_YGI RLY b P_O_OL T GNUL_ GUK_OL SLKZ

<47 Zl°lxpl °pxpynlx«ltry ts spxlryp

dz nly l° lxpl °pxpy nlx«ltry ts spxlryp4_zoz«wplpqzwaz sp «°znpo °p@

- Ispnv sp_YW; t stmp°yl p
- Z tnszop,YMxzytz°
- _lvp8xlryp @
- VypzlntlpspSLK 2
- _spz sp°zyp z ty p°ln t s sp_°lnvp°4
- K°tyr sp«°znp 2«whnp spq° xlryp yp z sp*SLK GYLG zlntlp spSLK* 4



bspyl °lnvp°t ty Otmp°yl tzy x zop2 spy sp xlryp t «whopo zy sp *SLK GYLG*2lww sp SLK sz womp tnspo zop4

<u>Z_LW7</u>@Wownp spxlryp zy sp*ZdZ GYLG* www.ytw.spSLK kkHl 4- °y YLK .qp pnzyo/lyo z spl°7 HRW4_spy °px z p spxlryp 4



<u>Z LW8</u>@Wwwnp spxlryp zy sp*ZdZ GYLG* www.ytwspSLK **kkYlotz** - °y VYGUNL lyo z spl°8 HRW4_spy °px z p spxlryp 4



<u>Z_LW9</u>@Wwnpspxlrypzysp*ZdZGYLG* ytwspSLK **kkGwp°** – °y NYLLU lyozspl° 9 HPW4_spy°pxzpspxlryp4



<u>Z_LW:</u>@Rqsp«°znp toqwaz po2sp s°ppSLKZ twwqkvs tx wlypz w ty NYLLU o °tyr s°pp pnzyo 4_sp_°lnvp°t spy p z *Ypnz °o x z op* lyo sp x pl °px py nlx «ltrysl l°po4



<48 Zz«lxpl °pxpynlx«ltry ts spxlryp

dz nly z«lxpl °pxpy nlx«ltry ts spxlryp4_zoz«wplpozwaz sp «°znpo °p@ Stvpoz° sp l°tyrxpl °pxpy nlx«ltry2 z yppo zslp8xlryp@ Wavnpspot° xlrypyp z sp*SLK GYLG z | nt | p spSLK* 4

<u>Z_LW7</u>[@] Wolvnp spxlryp zy ZdZ GYLG4_sp9 SLK twortx wlypz w oplys ty VYGUNL o °tyr °zt pnzyo .xl 4/4K °tyr spp9 pnzyo sp z««tyr «°znpo °pnlymp «p°op°x po4



- <u>Ypxl°v</u>@ Rqsps°pp pnzyo «p°tzosl pwl« pompaç°p p«8 z°tqsp z««tyr «°znp sly-mppy dylwt po2lxpl °p twwmp z°poty sptyp°ylwxpxz°4
- Z_LW8@ Wolvnp spxlryp zy sp*ZdZ GYLG* y tw spSLK kkHl 4-wtrs NYLLU4_spy °pxzp spxlryp4

4 ○ Gvp° ○ Ylotz ● HI 4

Gmt« z yot «°zo npo spy st p«sl mppy nzx «wp po4

<u>Z_LW9</u>@ Wownp spxlryp zy sp*ZdZ GYLG* y twspSLK **kkYlotz** – wtrs ty VYGUNL4_spy °pxzp spxlryp4



<u>Z_LW:</u> [@] Wolvnp spxlryp zy sp *ZdZ GYLG* y tw sp SLK **kGvp°** – wtrs ty **YLK**4_spy °pxzp spxlryp4



_s°pp mt« z yo l°p «°zo npo spy st p«sl mppy nzx «wp po4

Pojst «°znp t ozwaz po2 sp s°pp SLKZ tww.on/v s tx wlypz w ty YLK o °tyr s°pp pnzyo 4_sp_°lnvp°t spy p z *Otmp°yl tyr x zop* lyo spxpl °pxpy nlx«ltrysl z««po4







<49 Ztrylwo°tyrlNWZln» tttzy

bspyl NWZln» tttzyt zyrztyr2 sp s°pp SLK lwp°yltpw wtrs «pp° pnzyoty NYLLU4

_spxltx x o°ltzyqz° st npyl°tzt?6 pnzyo .nlp spy spln» tttzysl qltypo/4



= KG_G LcWSV P_G_PV U V U NV V NSL T GWZ

_st qyn tzy lwnz z z p «wzt sp x pl °p °pnz°opo m sp _°lnvp° tyr sp Nzzrwp Tl« opl °p.l ltwlmwp ts YMTzytz°NVSK vt zyw lyo tq sp W nzyypn po z ty p°yp/4

_zozzozwaz stwyv2 tyr z°oj z°tpm²z p°@

7/s «@25 4yp pz3 pmxzytz°4nzx5yp pzjwl ynsp°4«s«

.W/tz°z sl2z x slpnzx«wppolxpl°pxpynlx«ltry ts z°_YWlyo ozywzlopo z°oll tlz°′ZHYMTrzwovp/4

8/Izx «wpp spollml pnzyypn tzy tycz°x l tzy

		key12 Co	onfiguration
Database connection for TRP55		RF Monitor & DB Monitor	WEBMONITOR www.newsteo-webmonitor.com
User:	KEY	Hite db.newsteo-webmonitar.com HTTP [X] Port [443] Non d'utilisares [KEY00	Nom de la base Identifiant Rot de passe: QHPDQV
Password	AAAAA	Mot de passe Base existante KEY00	
Tracker Tracker serial number	TRP000007		
	CONNECT		

9/Zpwpon sp txp«p°tzolyooz ywzlo spollm nwtnvtyr zykk(«olp-

← → C ① www.news	teo-webmonitor.com/newsteo_tracl	ing.php				
Applications D Support	🕽 Webmonitor 😫 COL 📒 dbase	caract 🤶 JIRA 🔘	mailblack 🔁 Desk	De Transi	COZIR_ AutoCalibrati	🧐 TMA 🏨 Capteurs d
From: 08/02/2017	To: 08/03/2017	Update				

:/Nzzrwpxl« °lnv«zty ts spozwaz tyrtyoz°xltzy

- _YW; «ztzytyr
- K°l tzyzqsp z«
- Zsznv lwp tqsp s°p szvosl mppy z p°°y
- Zsznv «zttzylyop In txptyn pl s°pszwosł mppy°plnspo

<u>Llx«wpzq°lnv«zty</u>



;/Kpxzollmlpqr°sp«p°tzo6756<5867=z6756>5867=

- ′ p° @**RLd667?8**H
- Wⁱ z°o@**XOW/Xa**
- _ ^/ nvp° @_**YW66669=**
- *Vp°zo@*o 6756<5867=1 6756>5867=

> KHTVUPVYRUZ_GSSG_RVU_VIVUZ'S_OLKG_G

- Vynp YM Tzytz°sl mppy ty lwpo2wl yns KHTzytz°m oz myp3nwtarvtyr
- zy spopvz« sz°n 🔯 z°q²zx sp Zl° xpy 4
- Ry spnzydpr °l tzy tl°okk*Npyp°l wz « tzy –*2
- Zpwpon spwlyr IrplyonwbnvzykkZ/ p-4

General options Database source	
Application settings	
Language	English ~
Use computer local separators ;	
Float number separator :	
Field separator :	

- Ry spnzydpr °l tzy tl°okk*K / ml p z °np*--2
- pwpn Szn/wol/m/p
- Ly p° sp «l s z q sp vz nl vol l ml p

lwbnvzykk∠/*p−4*

local database	
C:\Users\Public\Documents\	NEWSTED\RFMonikor\RFDatabase\RFData bin 🛛 📸
Recent files :	Ý
Remote database :	
Distabase type :	MySQL
Database connection setting	
Haltmase	www.newteo-webmonitor.com
HTTP Encapsulation	
Pot	3006
Unistration:	CUL000000
Parasent	*******
Dutations comm	C3L003000

■ Ry spnzydpr °ltzy tl°okk*Mty/wt/tzy*–nwtnvzy *alwto/p* spyzy *Mtyts* 4

? _YGI RLY 'ZL

?47 Npyp°l wt tp

Tltyqyntzy zqsp_YW_°lnvp°4

- _px «p°l °p2 sznvlyo9lt twx pl °px py
- _tx p3 lx «pox pl °p °pnz °opoty sp qw s x px z°
- azwlrpzqsp9ml p°tp aml 72aml 82aml 9
- Kt «whnpx py «ppo
- Gtx s
- NWZ «zttzytyr @wzyrt op 5wlt op

?48 Tpl °pxpy l °pr wl° typ° lw

Kp«pyotyrzy spop» pyn p m sp p°2 sp°lnvp° x pl °p 2 tx p3 l x « lyo z°p @

- _px «p°l °p
- _sp twzq sp op tnp zy pl ns zq sp 9 l t
- azwirpzqsp9ml p°tp aml 72aml 82aml 9
- Kt «wnpx py «ppo
- Gtx s
- NWZ «zttzytyr @wzyrt op 5wlt op

Wogp °In °p«z°

Packet	Date	Time	Ax	Ay	Az	AngleX	AngleY	AngleZ
000005	2019/03/13	09:41:00	0.000 G	0.000 G	-0.922 G	-180.000 °	-180.000 °	-67.202 °
000010	2019/03/13	09:41:10	-0.137 G	-0.156 G	-0.902 G	-172.142 °	-171.011 °	-64.468 °
000013	2019/03/13	09.41.20	-0.160 G	-0.164 G	-0.906 G	-170.784 °	-170.557 °	-64 992 °
000016	2019/03/13	09:41:30	-0.184 G	-0.227 G	-0.871 G	-169.421 °	-166.905 °	-60.586 °

Packet	Date	Time	Board Temp	Ground speed	Azimuth	vbat1	vbat2	vbat3
000004	2019/03/13	09:41:00	22.590 °C	0.000 km/h	0.000 °	1.600 V	1.500 V	1.500 V
000009	2019/03/13	09:41:10	22.590 °C	0.000 km/h	0.000 °	1.600 V	1.500 V	1.500 V
000012	2019/03/13	09:41:20	22.690 °C	0.000 km/h	0.000 °	1 600 V	1.500 V	1.500 V
000015	2019/03/13	09:41:30	22.690 °C	0.000 km/h	0.000 *	1.600 V	1.500 V	1.500 V

Bloc : GPS

Packet	Date	Time	Latitude	Longitude
000003	2019/03/13	09.41.00	0.000 *	0.000 °
800000	2019/03/13	09.41.10	0.000 °	0.000 °
000011	2019/03/13	09:41:20	0.000 *	0.000 °

?4? Tp °px py tynl pzq sznv

Fynlpzqsznv spy splnnpwp°ltzyoll3GnnUz°x3pnppo sps°pszwopm sp p°2 sp°lnvp°xpl°p2 txplx«lyoz°p spozwaz tyrlwp@

- TItx x Innpwp°ltzyzy sp9lt@TIG2TIG2TIG
- Ilwawitzyzqsppnz°lnnpwp°ltzyyz°x@GnnUz°x
- llwn witzyzqpyp°r zy sp9l t@Lyp°r c2Lyp°r d2Lyp°r e
- Ilwn włtzy ząsppyp°r pn z°yz°x @Lyp°r Uz°x
- Zsznvo [°]ltzy
- Gtx s
- NWZWzttzytyr@Szyrt op5Slt op

_spNWZ «zttzyt °pnz°opotqsp_YW); «tnv « splpwatrylw

 Rqspsznvo°ltzyt wpsly; xtyplqp°spwl «zttzyln» tttzy2sp yp NWZ «zttzylyosp «ppol°pyz°pnz°opo4Ozpp°tqspsznvlvp «whnp; xtyplqp°spwl «zttzyln» tttzy2sp «ppolyospyp NWZ «zttzyl°p°pnz°opo4

_spxpl °pxpy l°pxlopm l93 tlnnpwp°zxpp°Asp ytzqxpl °pxpy ttyr.yt qz°r°l tltzy/4

_splnnpwp°zxpp°lvpxpl °pllq°p» pyn zq9866O stnspy °p slyz sznvnly mpxtpo4

Wogp °In °p«z°

Bloc : Shocks

Packet	Date	Time	Max Ax	Max Ay	Max Az	Duration	Acc Norm
000006	2018/12/28	11:09:23	0.840 G	0.801 G	1.578 G	25.000 ms	1.959 G
800000	2018/12/28	11:09:32	9.148 G	3.125 G	3.688 G	4262.00 ms	10.347 G
000010	2018/12/28	11:09:33	13.813 G	15.977 G	15.813 G	777.000 ms	26.383 G

?4 T pl °px py ty nl p z q °pp d w

Fynlpzqq°ppqwww spy splwppnppo sps°pszwopm sp p°2 sp°lnvp° xpl°p2 txp3 lx« lyo z°p spozwoz tyr lwp@

- M°pp dywsptrs
- TItx x Innpwp°ltzyzy sp9lt@TIG2TIG2TIG
- Ilwawitzyzqspyz°x zqsp pnz°lnnpwp°ltzy @GnnUz°x
- Ilwawitzyzgsppyp°r zy sp9lt@Lyp°r c2Lyp°r d2Lyp°r e
- Ilwawitzyzqsppyp°r pnz°yz°x @Lyp°r Uz°x

Wogp "In "p«z"

Bloc : FreeFall				
Packet	Date	Time	Height	Energy
000013	2018/12/28	11:09:42	36.556 cm	3.586 J/kg

?4, NWZWzttzy

_z l pml p°@

Rqlqp°?6 pnzyo yz lpwntyp t oppn po2 sp «zttzyln» tttzy «°znp twwmp z««po ytw spyp xpl °pxpy «p°tzo4

Rq tsty sp?6 pnzyo l wol zyp lpwotrpsl mppy oppn po2 spln» tttzy «°znp t °p l° po qz°l «p°tzo zq7 x ty p4Rq spln» tttzy «°znp t nnp qw2 sp_YWrpyp°lp 9 mt« z yo 4_spy sp_YWrpyp°lp 7 mt« «p° oppn po lpwotrp4_spln» tttzy «°znp z« lqp°; nzypn tp x ty p 4

_z l pml p°2tq sp_YWozpy-oppn ly x z pxpy strsp° sly8;6xN tynp spwl «z tzy2zyw spwl «z tzy twwnp°pnz°opo2yzyp «z tzy twwnp°pnz°opo4

Rqsp«ztzyln» ttzyqtw2yzyp «ztzy twwmp°pnz°opo4

?4< Lyp°r x pl °px py

_sppyp°r xpl °pxpytnlwawlpoq°zxlqyntzysl lvp tyzlnnzy splnnpwp°ltzy lwplyospo°ltzyzqspplnnpwp°ltzy4

?4⊨ Ll°sr°l t

_sp7rzqLl°sr°lttxpl°polyoot«wlpozyYMTzytz° spy sp_YWtty SPaL xzop4Ry spppy zql sznv2 spq°x l°poponp sp7rzqLl°sr°lt q²zx sp Innpwp°ltzyxpl°pxpy rpyp°lpom spsznv4

?4⊳ Kpp°xtyl tzyzqsznv s°pszwo

Rqsplnnpwp°ltzy s°pszwot p zzwz .qz°plx«wp74;r/spxpxz° zqsp°lnvp° tww mp» tnvw.qw44

_zlzto nsltltzy2«°p3p x mpnl°°tpoz tssp_YW2nzydpr°poty SPaL xzoplyodpozyt dylw ««z°2zopp°xtypsp°pwply s°pszwosl sz womp po o°tyr°prt°ltzynlx«ltry4

?4? Pyp°«°pltzyzqsznvlyopyp°r xpl °pxpy

Zsznv l°plnnpwpo°l tzy zqp° strslx «wtr op4Mz°plx «wp2lylnnpwpo°zxpp° sl diwwrd;zx lsptrs zq86 nx zyl; nx stnv spp zq ppw twwmp mupn zlylnnpwpo°l tzyzq>666 rl tx «ln 2lyozyl;6 «lrp stnvyzpmzzvzd;2t twwmp mupn zlylnnpwpo°l tzyzq?6 r4

_splwpzqsplnnpwp°ltzyxpl °pop«pyozypp°lw«s tnlw«l°lxpp°@

- Z°n °p°trtot
- Myotmtwizqsp_YW ««z°
- Ktlynpmp ppy sp sznvlyo sp_YW«zttzytyr

-

_sp_YWxpl °p sp lwp2spo °ltzylyo sppyp°r zqsp sznv2spp9xlryt op 2 l zntlpo tslp nlx«ltry tww/waz p° ztyp°«°pl«l° zqspppy stnsl°pl spz°trtyzqsp sznv 4

?476 Gnnpvpo°l tzyxpl °pxpy @Gnn Uz°x

Gnn Uz °x °p«°p py sp yz °x z q pn z °v.G 2G 2G /@



Acc Norm =
$$\sqrt{(Ax^2 + Ay^2 + Az^2)}$$

?477 _tw x pl °px py @iyr wp c 2 lyr wp d2 lyr wp e

Gyrwpc2lyrwpd2lyrwpeClyrwpzqlt 2 lyo zylsz°tzylw«whyp



Case n°1 : The TRP is placed on a horizontale plane





 $\theta Ax = 0^{\circ} \text{ or } 180^{\circ} \ \theta Ay = 90^{\circ} \ \theta Az = 0^{\circ}$ The axis of the **TIRP** is perpendicular to the horizontal plane

GUULC @_LI OUP GSKG_G

T GRU MLG_' YLZ	
V«p°ltyrpx«p°l°p °lyrp	≊6 lz <6 l ts_stzy wpwtstx ml p°tp 2 tpG tsl «pntopinzyypnz° 376 lz1<6 l tslwvlwtypml p°tp2 tpGG5SY< Ypnzxxpyopo px«p°l °p°lyrpzxltxtpspoptnpl zyzx @1; Iz19; I4
HIp°tp I zyzx F8; I	8 pl°2 ts spml p° ««wapostzy wo/Ststx ml p°2 tpG/ ′p°3°p«wlnplmwoml p°
Mvrsxpxz°	7 <tmt .l="" 78?666="" 8="" <br="" lvp="" molvsp»="" mozn="" moznv="" pl="" sznv="" tlwpy="" x="" z="" °pxpy="">Mz°plx«wp2tlwoz I8 pl°nlx«ltry@ - btsl«p°tzotn.x.pl °pxpy .px«p°l °plyo tw/pp° 7;xty p .==66>6 °pnz°otyr / - Gyo8?666 sznv</tmt>
Ylotznzxx ytni tzy	V«p°l tyrzy spPZT mlyo _st op tnpt op trypo z mp pozy spL°z«plyxl°vp . tyr sp≫>>TO mlyo/4
Ylotz q°p» pynp°lyrp	766 x p p° ty ďpp dpvo
PM Sp pv	P/∀ :