

MRPCs:

construction and tests
Status report

AM 2017 05 24

17 MRPCs already built
2 in construction + 3 by July

20170222001 LAMP-01
20170223002 LAMP-01
20170225003 LAMP-01
20170314004 GENO-01
20170316005 GENO-01
20170317006 GENO-01
20170405007 SIEN-02
20170406008 SIEN-02
20170407009 SIEN-02
20170425010 CARI-01
20170426011 CARI-01
20170427012 CARI-01
20170509013 TORI-05
20170510014 TORI-05
20170511015 TORI-05
20170523016 LODI-03
+ 2 LODI-03 + 3 CAGL-04

All of them
6 gaps 250 um
+ 5 glasses 280 um.

Identified by
lateral green band

Tests flow

Test during the constructions:

Electrodes
Resistivity

HV

strips

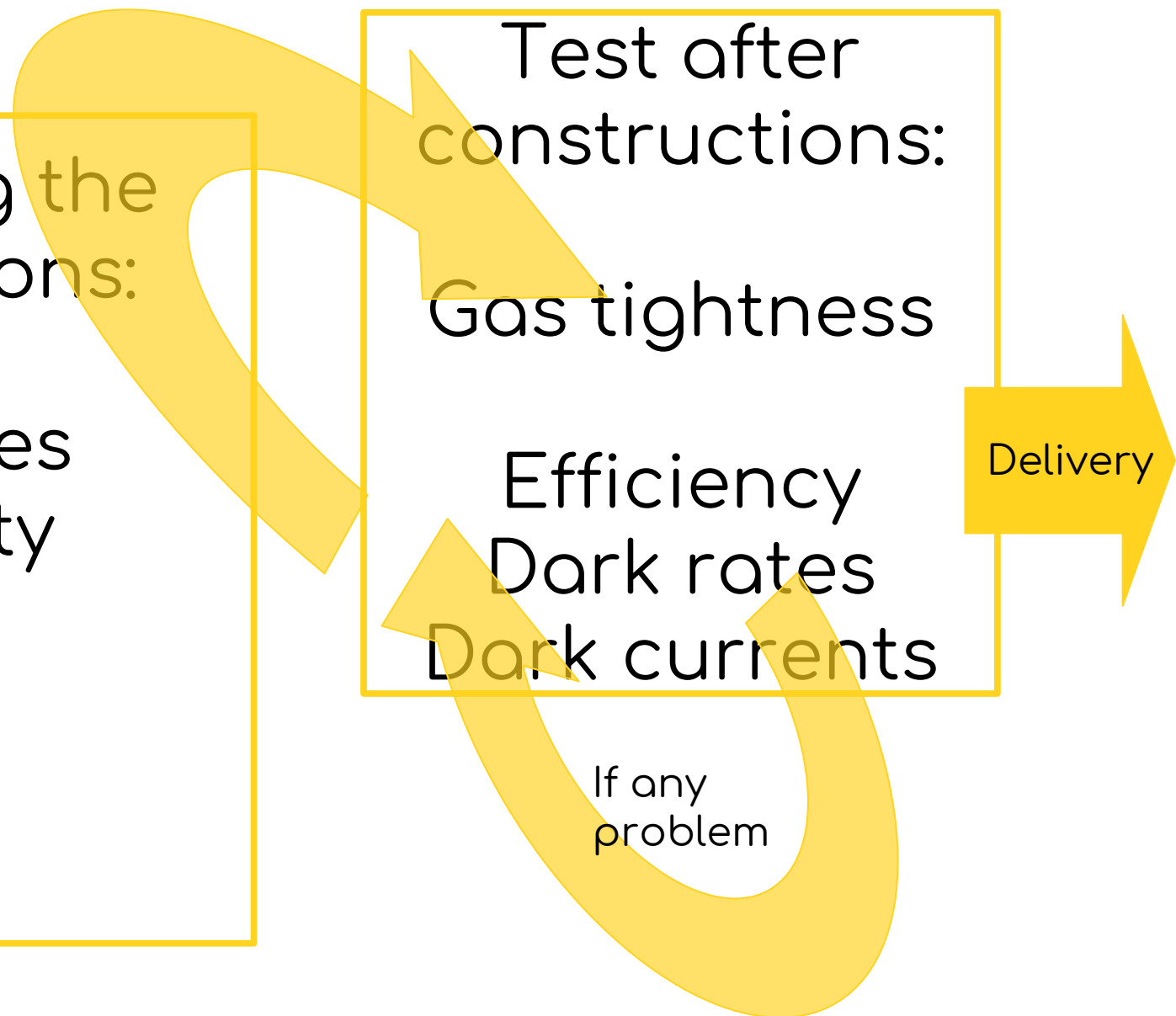
Test after constructions:

Gas tightness

Efficiency
Dark rates
Dark currents

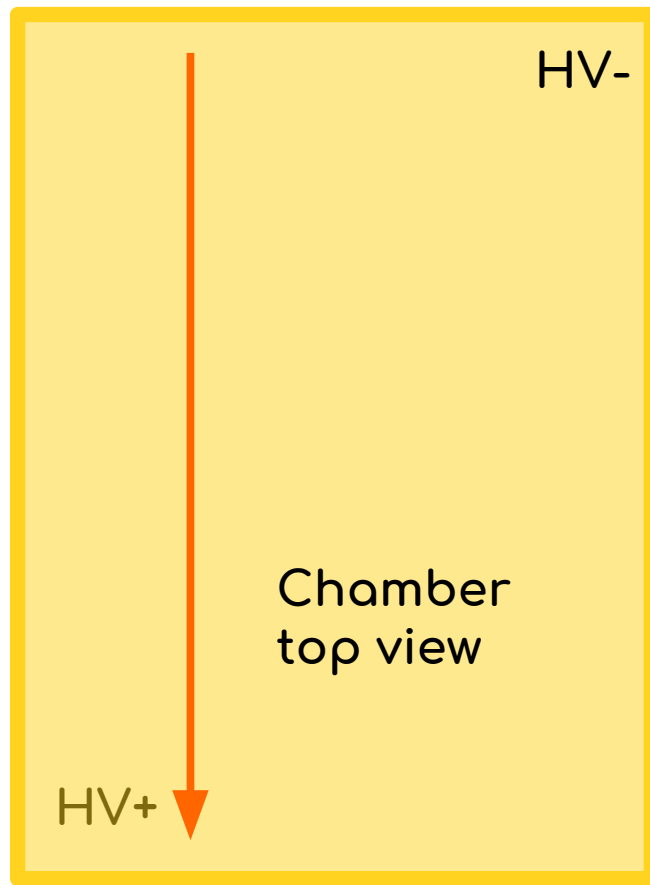
If any
problem

Delivery



A proposal for a standard telescope axis definition

Left Side



Right Side

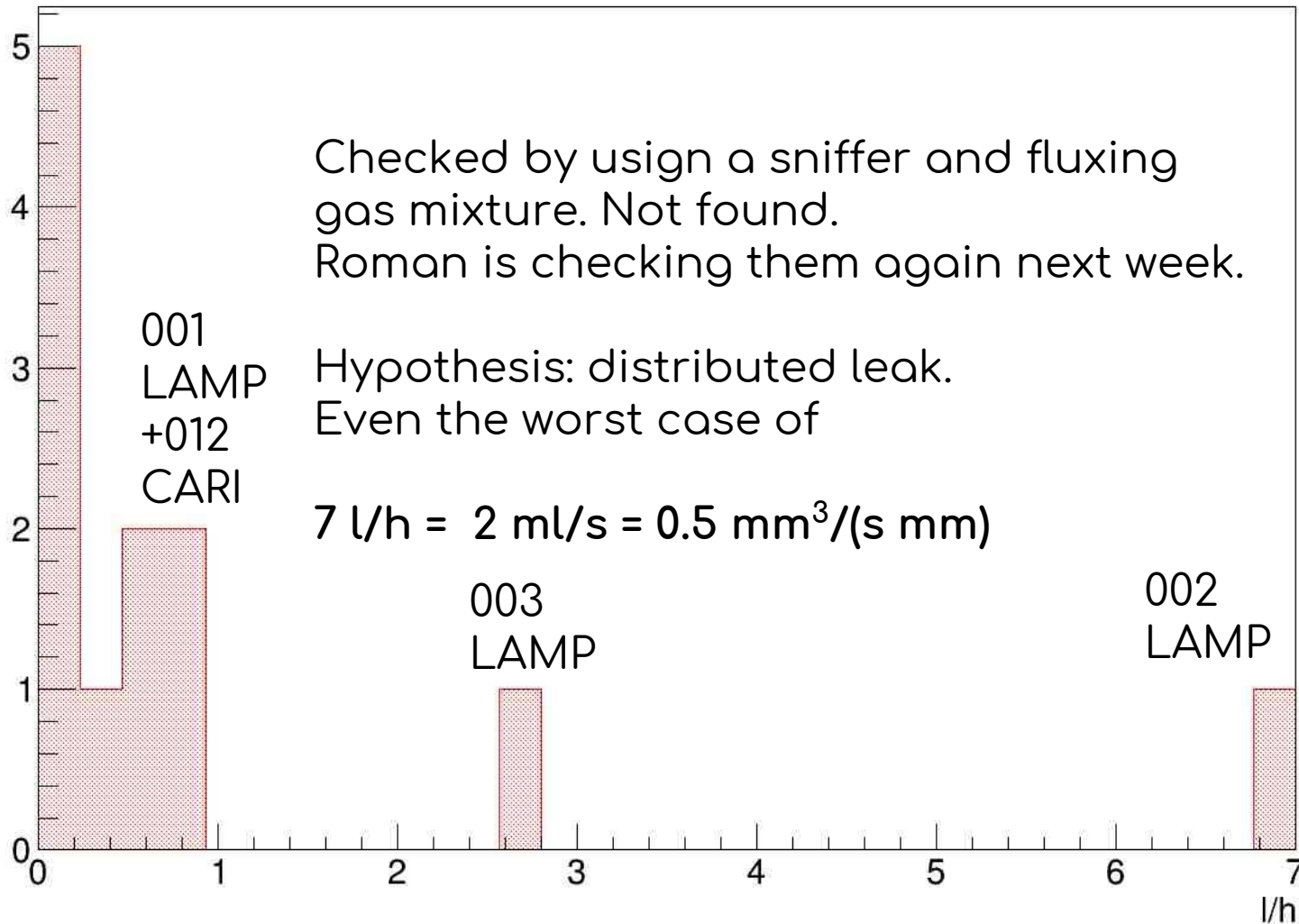
We could define
as the **Standard**
for telescopes orientation

the **LEFT**
on the negative HV side
and the **RIGHT**
on the positive

giving the axis as in the
sketch.

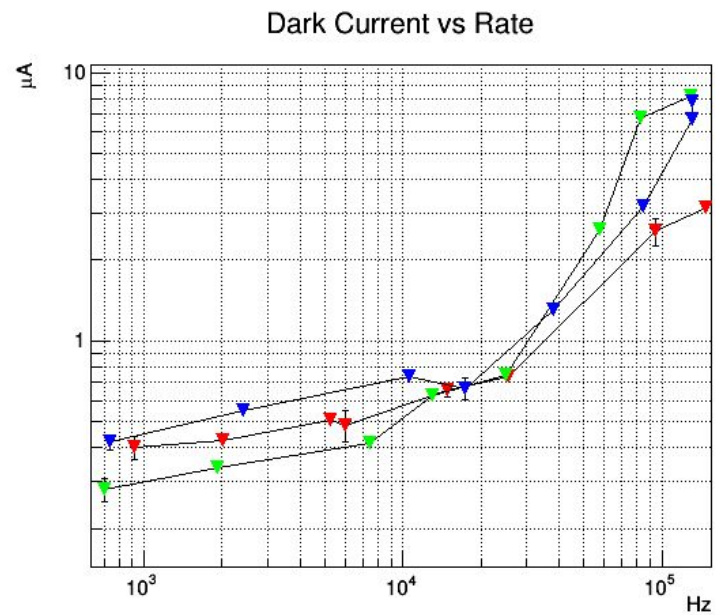
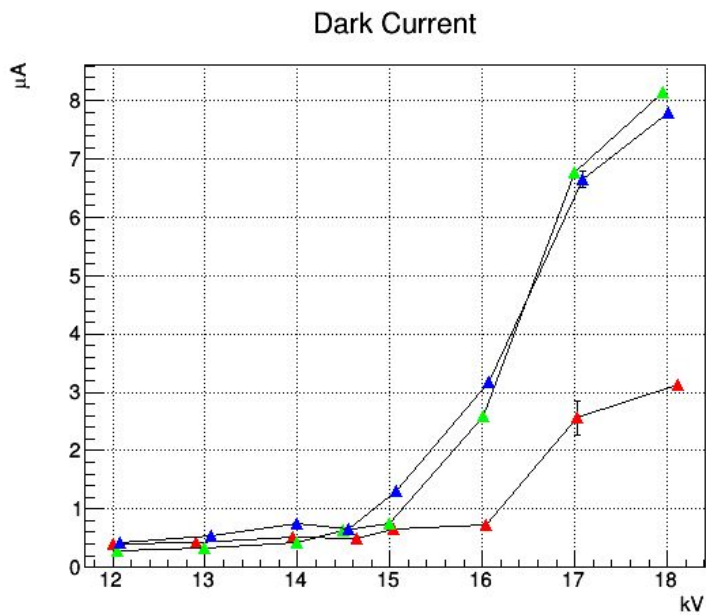
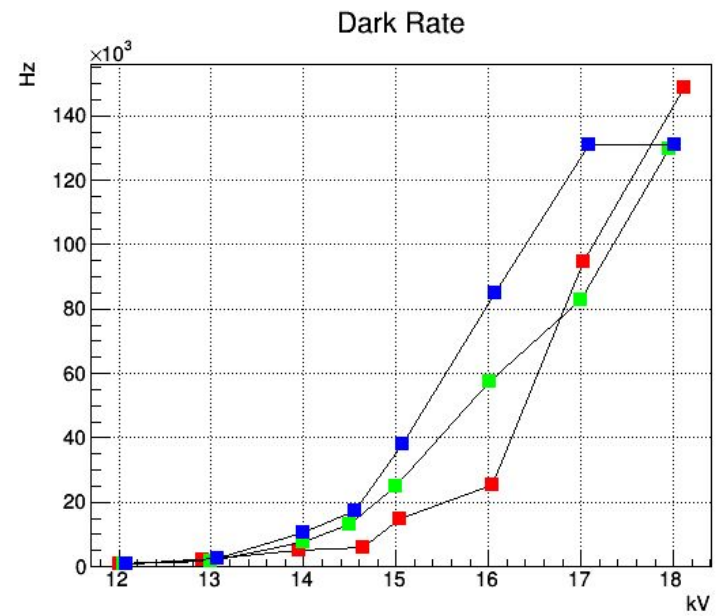
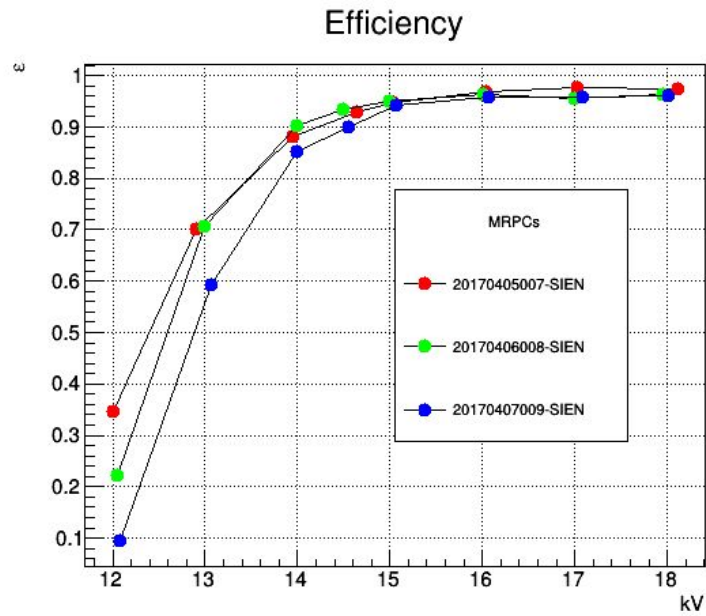
Gas tightness tests (chamber 001-012)

Chambers leak distribution



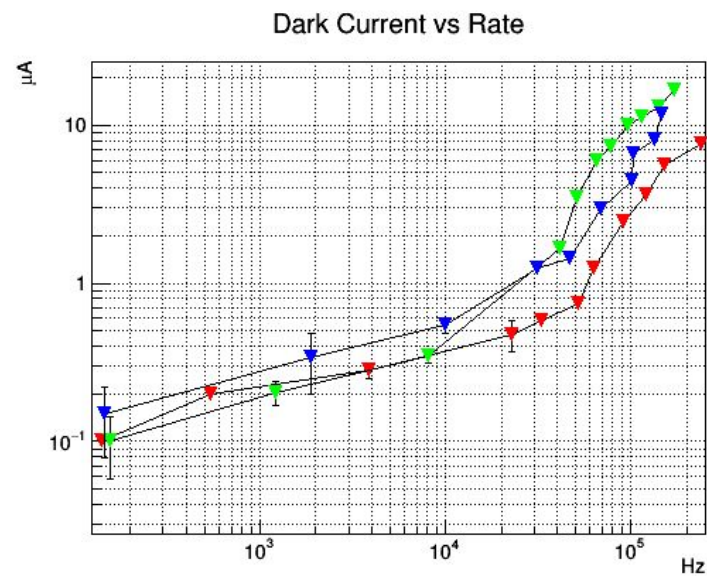
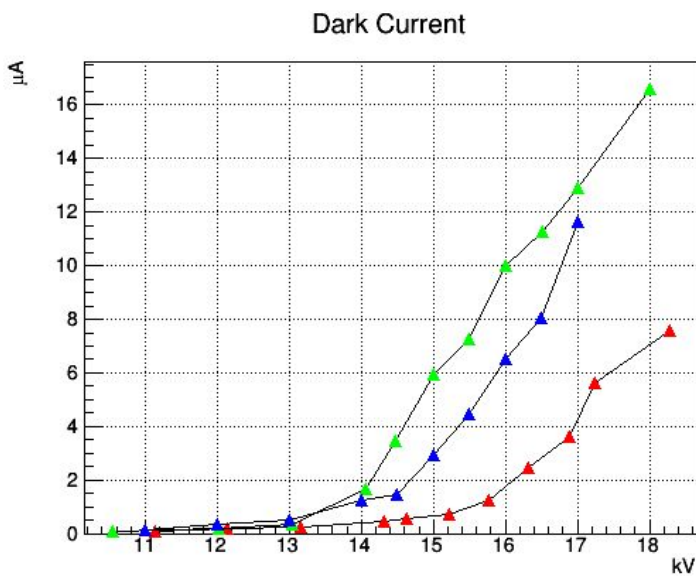
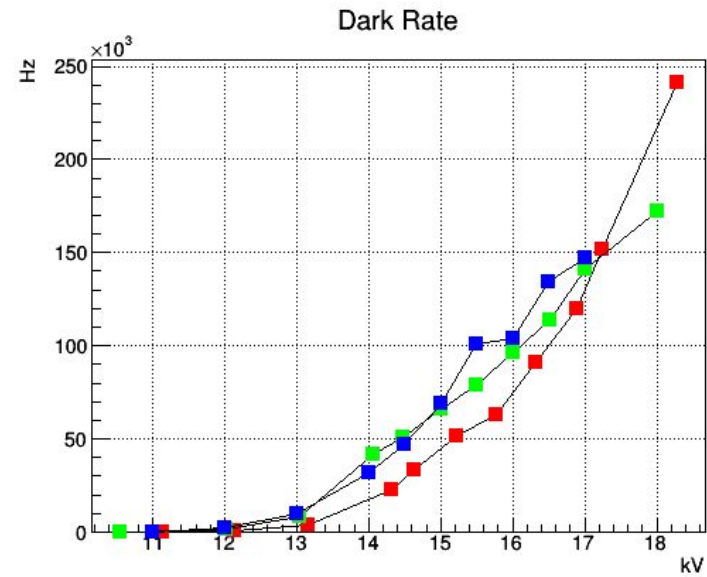
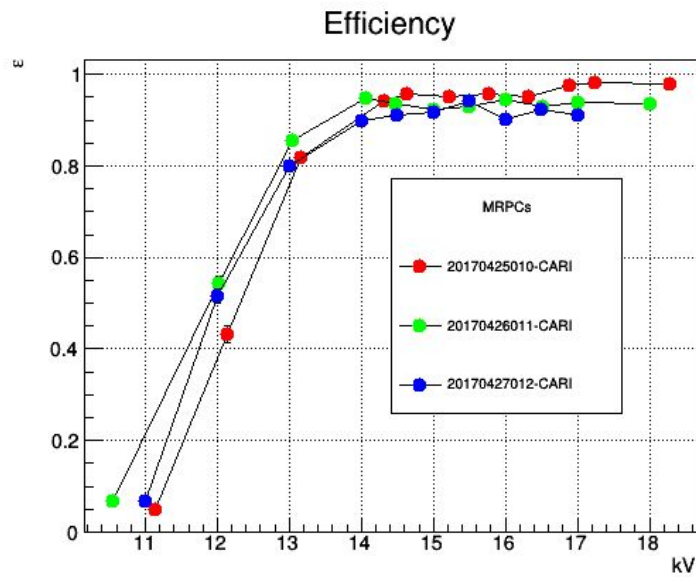
Efficiencies

SIEN ch 007-008-009



Efficiencies

CARI ch 010-011-012



CHAMBER	strips	HV	Resist.	Leaks	Effic.	Notes
20170222001				ToBeFound	OK	No info on firts tests. Should Be Ok. Leak to Be Cured
20170223002				ToBeFound	OK	No info on firts tests. Should Be Ok. Leak to Be Cured
20170225003				ToBeFound	OK	No info on firts tests. Should Be Ok. Leak to Be Cured
20170314004				OK	TBT	No info on firts tests. Should Be Ok.
20170316005				OK	TBT	No info on firts tests. Should Be Ok.
20170317006				OK	TBT	No info on firts tests. Should Be Ok.
20170405007	OK	OK	OK	OK	OK	
20170406008	OK	OK	OK	OK	OK	
20170407009	OK	OK	OK	OK	OK	
20170425010	OK	OK	OK	OK	OK	
20170426011	OK	OK	OK	OK	OK	
20170427012	OK	OK	OK	ToBeFound	OK	Leak to Be Cured
20170509013	OK	OK	OK	ToBeTested	OK	
20170510014	OK	OK	OK	ToBeTested	OK	
20170511015	OK	OK	OK	ToBeTested	OK	
20170523016	OK	OK	OK	ToBeTested	TBT	
20170524017						in construction
20170525018						in construction

Comments/Ideas/Upgrades