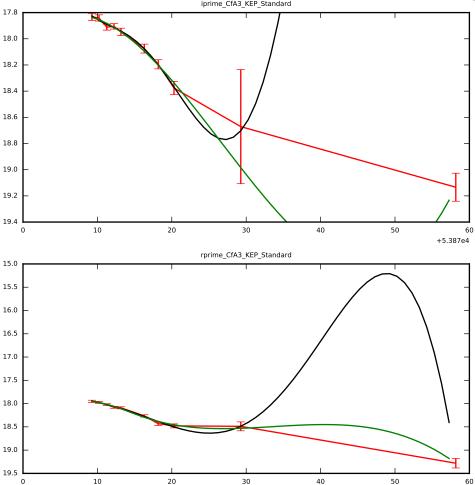


# SN2006ck Ic — GP — BSpline — Original

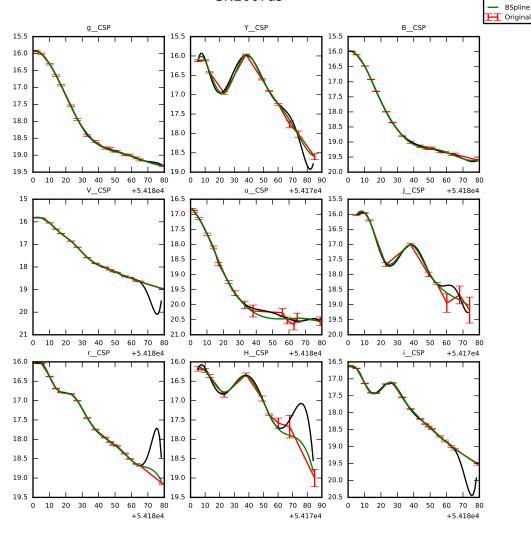
+5.387e4



SN2007as

la

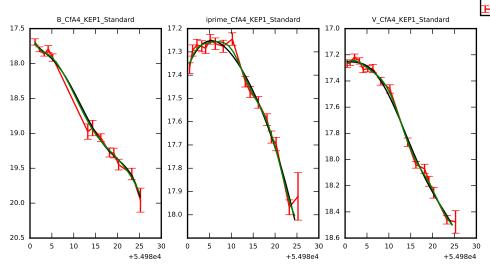
GΡ **BSpline** 

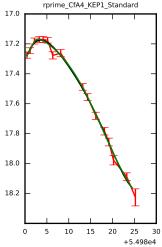


### SN2009er

Ib Pec

GP BSpline Original

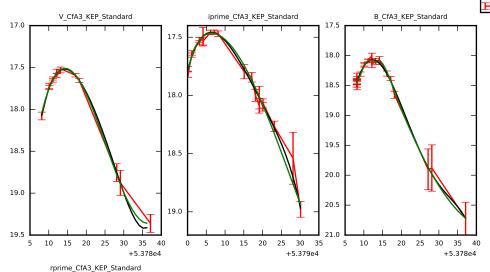


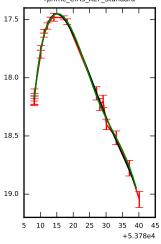


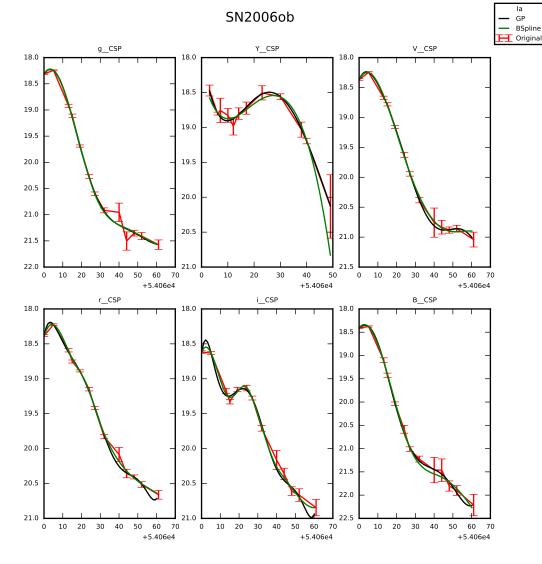
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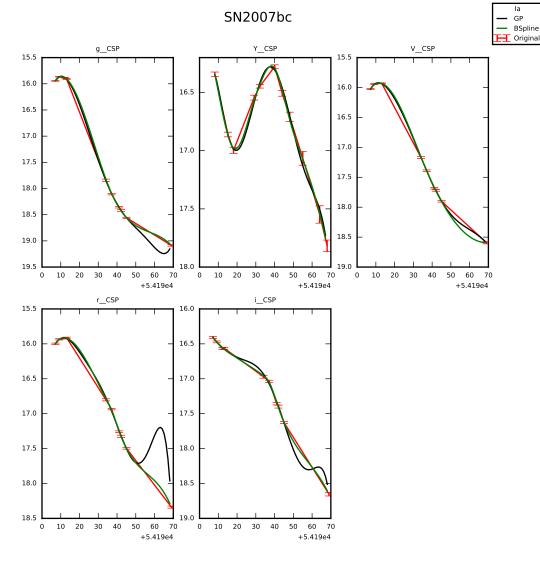
Ic BL

GPBSplineOriginal





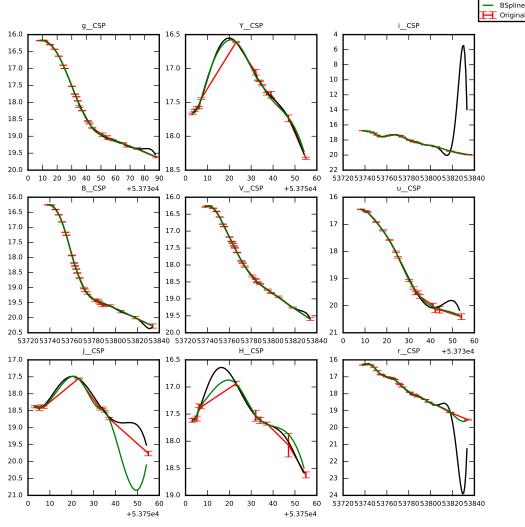




### SN2005na

la

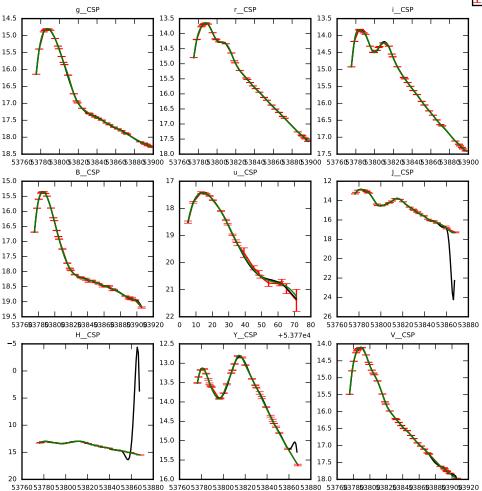
GP



## SN2006X

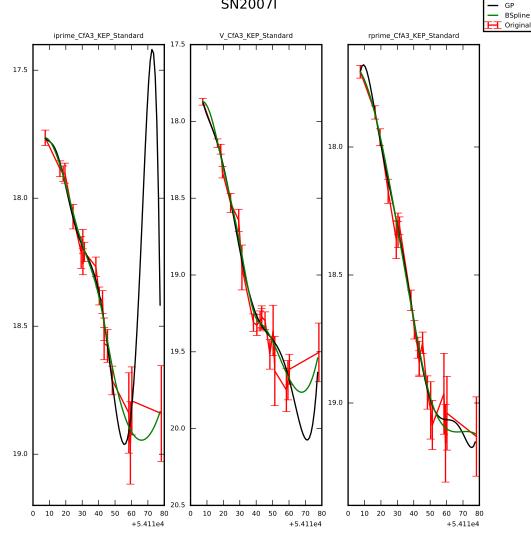
la

GP BSpline Original



### SN2007I

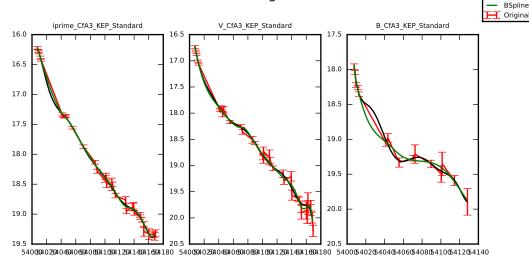
Ic BL

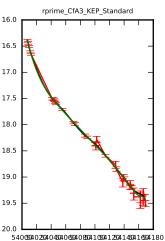


### SN2006gi

lb

GP

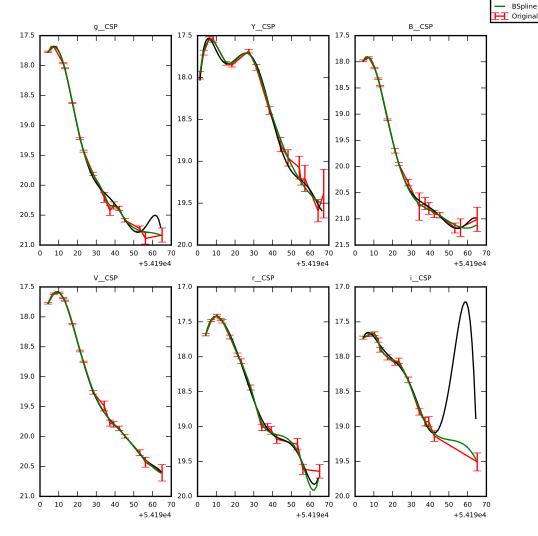




### SN2007ba

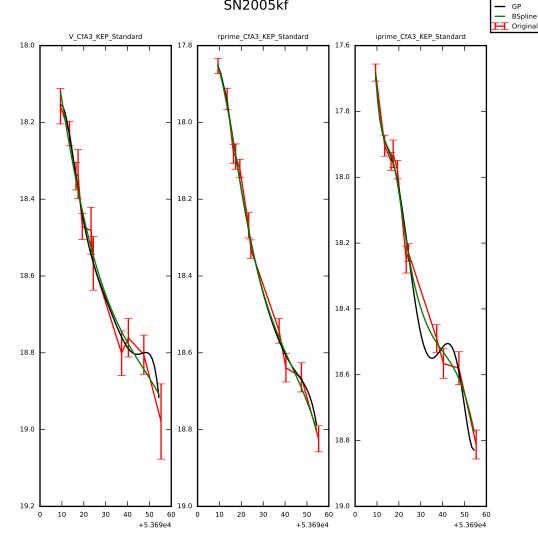
la

GΡ



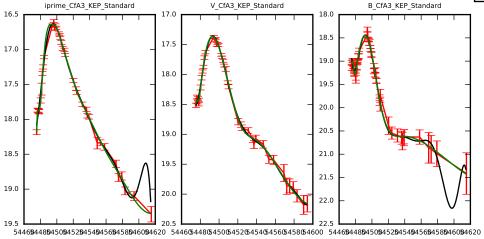
### SN2005kf

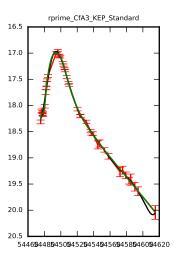
lc

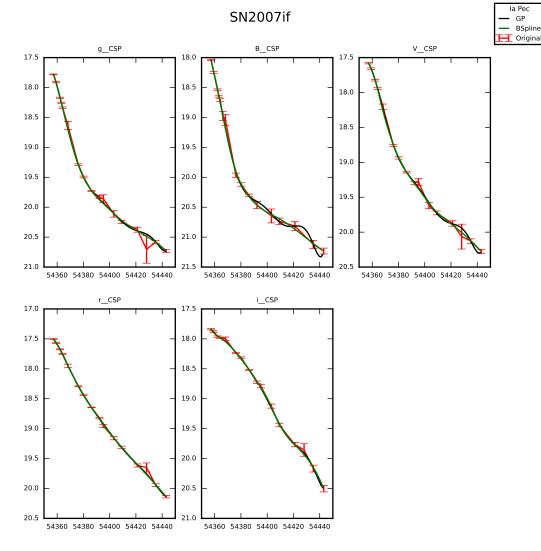


### SN2008D



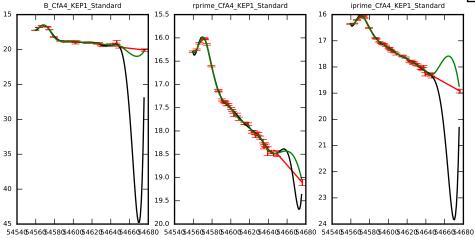


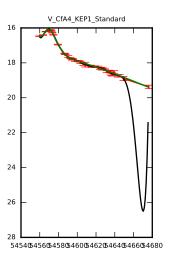


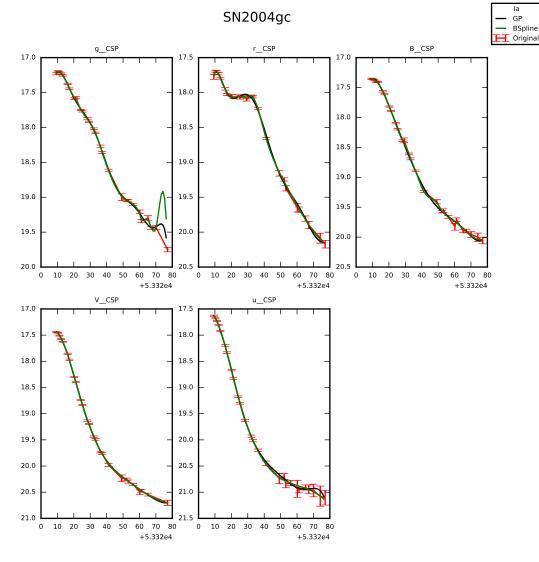


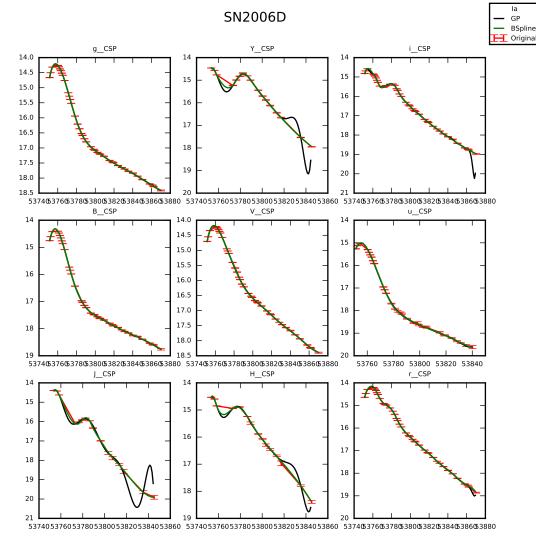
### SN2008bo







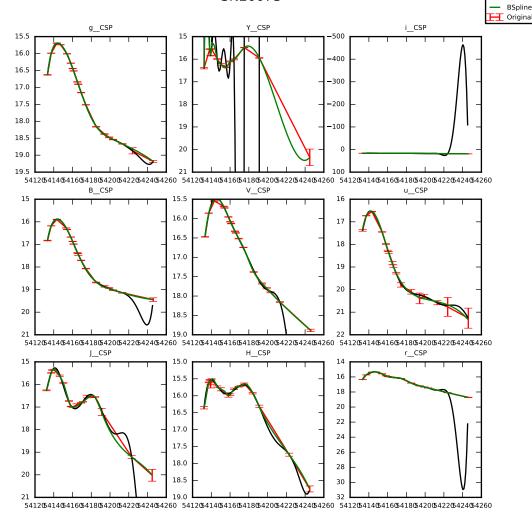




### SN2007S

la

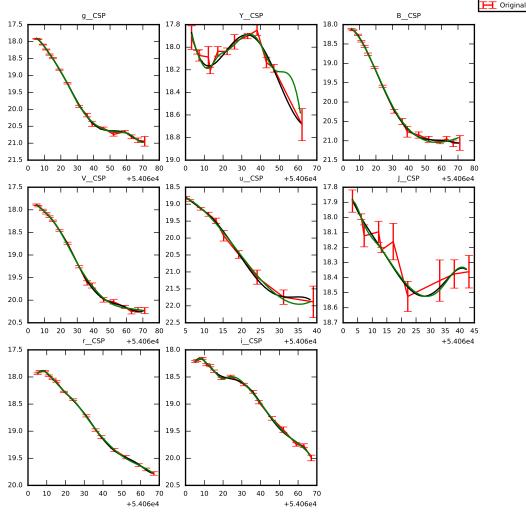
GP



### SN2006ot

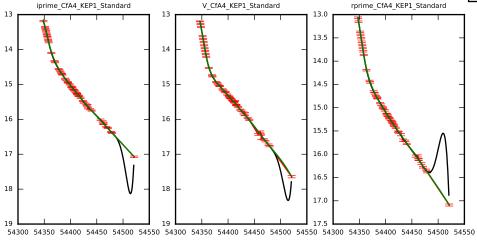
la

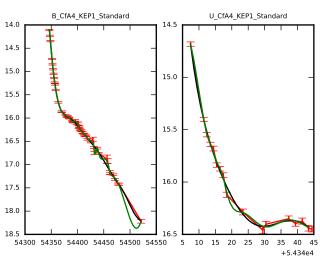
GP BSpline



### SN2007gr



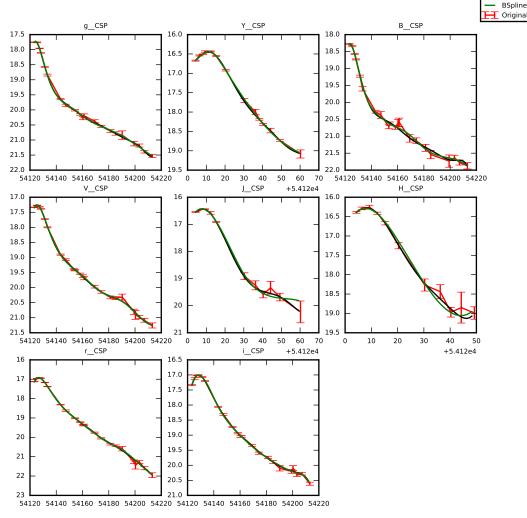




### SN2007N

la

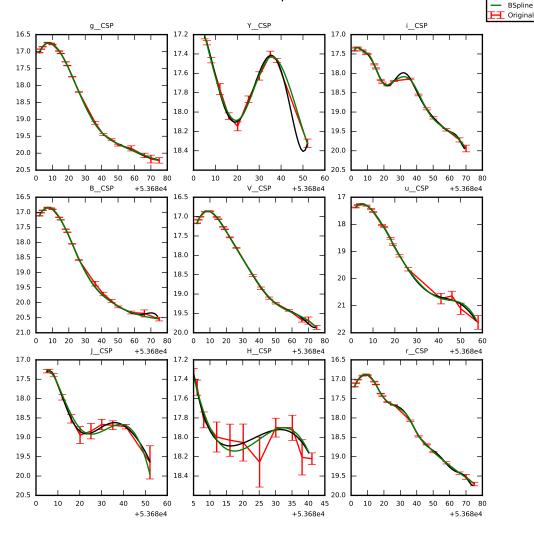
GΡ



SN2005iq

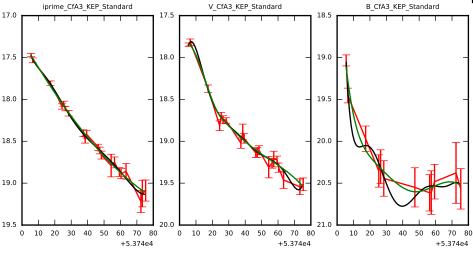
la

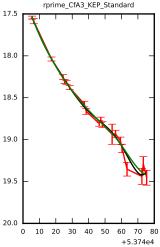
GΡ



### SN2005nb

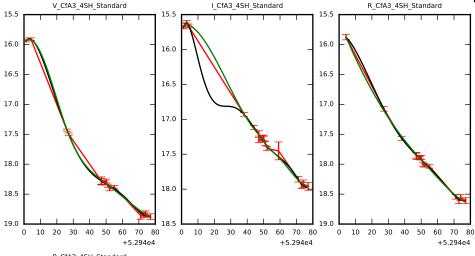


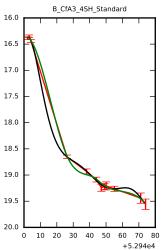




### SN2003jd



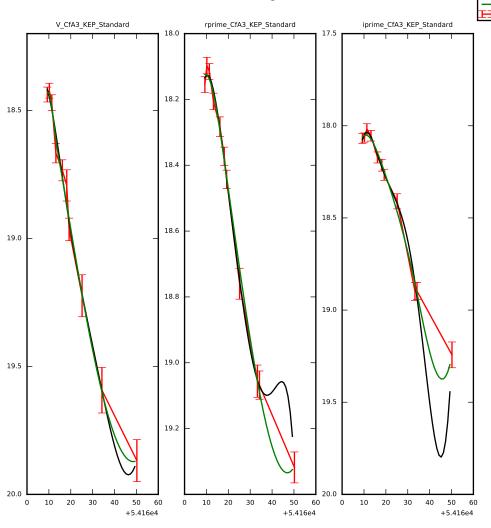




SN2007ag

lb

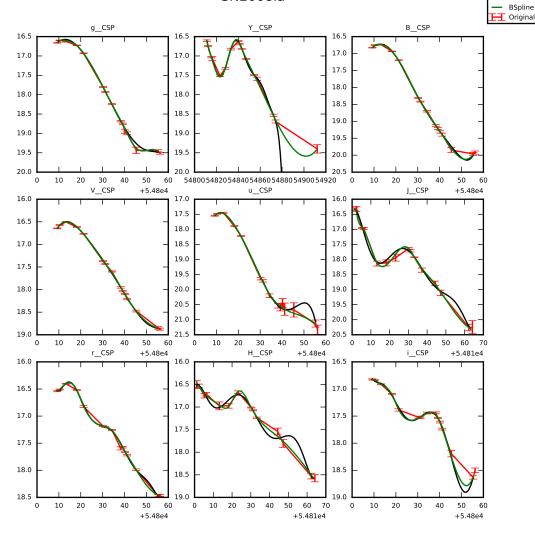
GP BSpline Original



### SN2008ia

la

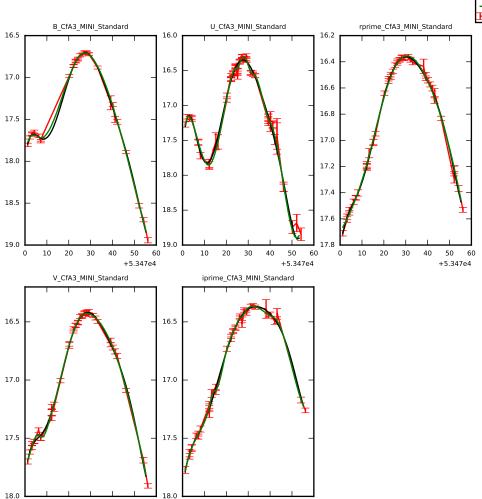
GΡ **BSpline** 



### SN2005bf

lb

GP BSpline Original



+5.347e4

20

30 40 50 60

0 10 20 30 40 50 60

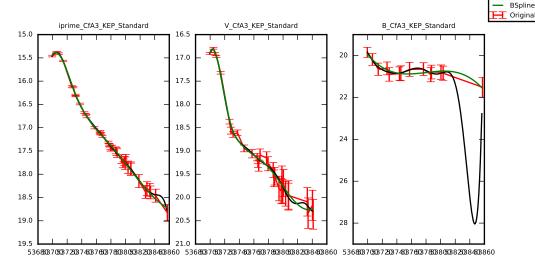
+5.347e4

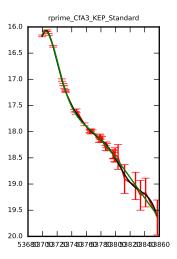
0 10

### SN2005kl

lc

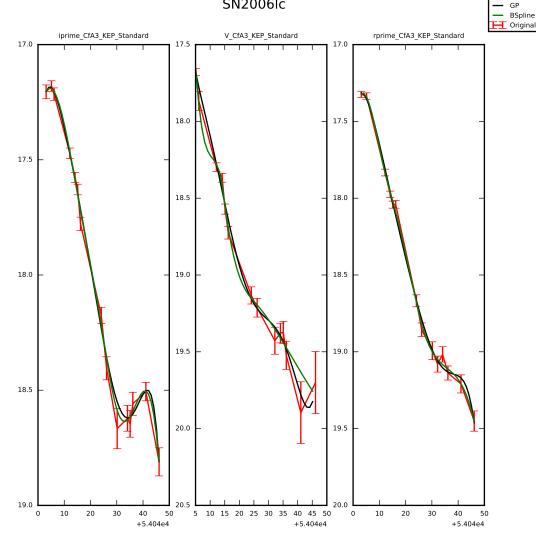
GΡ





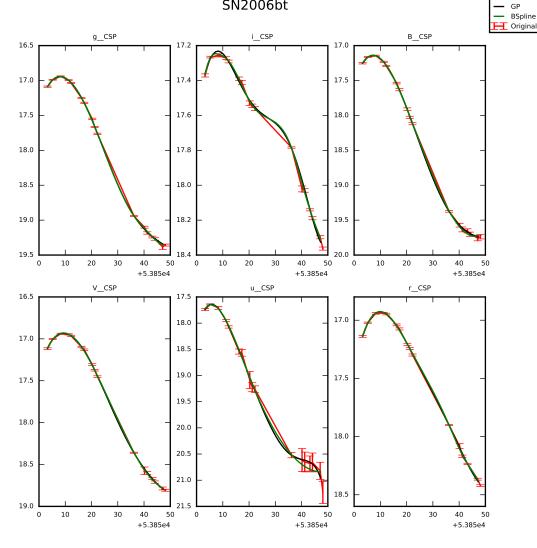
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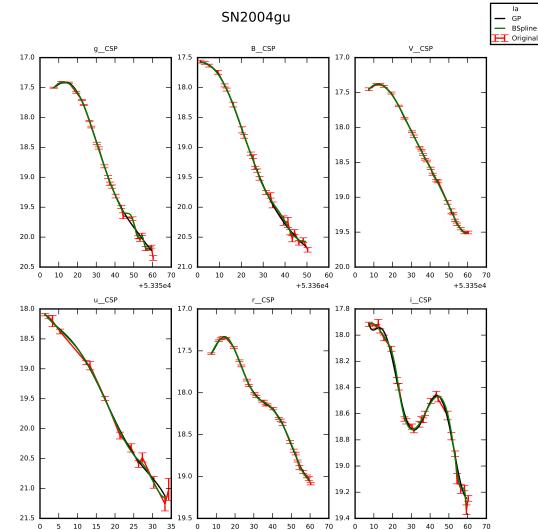
lb



### SN2006bt

la





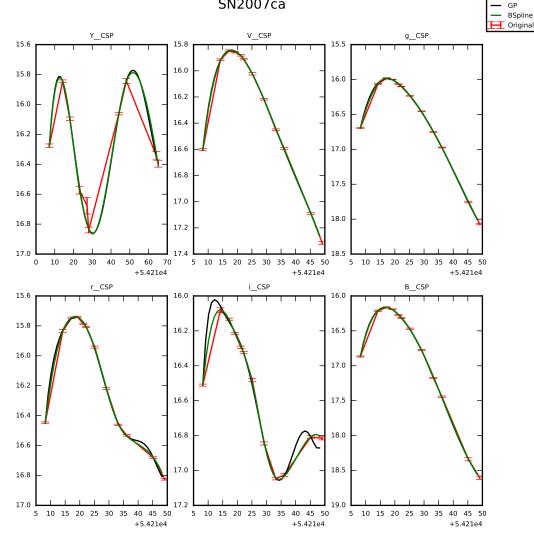
+5.335e4

+5.335e4

+5.336e4

### SN2007ca

la



SN2008bq g\_\_CSP B\_CSP V\_CSP 16.5 17.0 16.5 17.5 17.0 17.0 17.5 18.0 17.5 18.0 18.5 18.0 18.5 19.0 18.5 19.0 19.5 19.0 19.5 20.0 20.0 20.5 19.5 40 50 40 10 20 40 50 10 20 30 10 20 30 0 30 0 0 50 +5.456e4 +5.456e4 +5.456e4 u\_CSP r\_CSP i\_CSP 17.5 17.2 18.0 17.0 17.4 18.5 17.6 19.0 17.8 17.5 19.5 18.0 20.0 18.2 18.0 20.5 18.4 21.0 18.6 21.5 18.5 22.0 18.8 10 20 30 30 50 30

0

40 50 0

+5.456e4

10 20 40

+5.456e4

0

10 20 40 50

+5.456e4

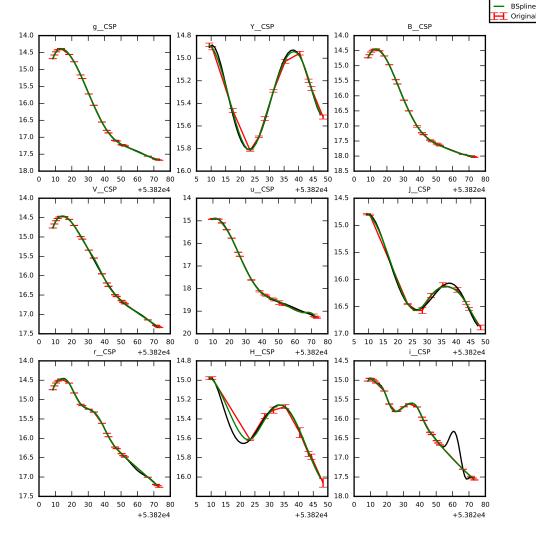
la

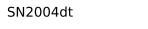
GP BSpline Original

#### SN2006bh

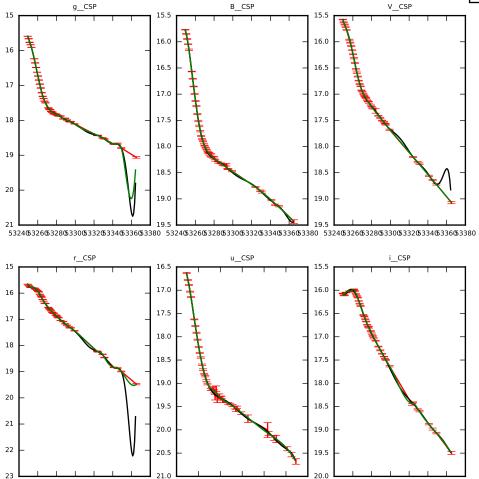
la

GΡ





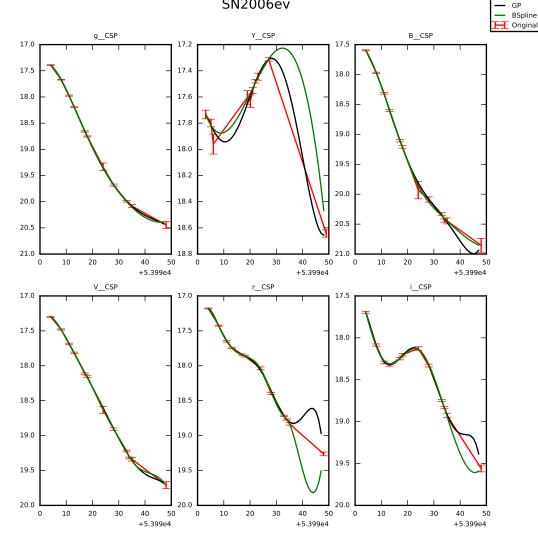




 $5324 \\ \text{\o} 3326 \\ \text{\o} 3326 \\ \text{\o} 3334 \\ \text{\o} 3336 \\ \text{\o} 3334 \\ \text{\o} 3334 \\ \text{\o} 3336 \\ \text{\o} 3334 \\ \text{\o} 3336 \\ \text{\o} 3334 \\ \text{\o} 3336 \\ \text{\o} 3334 \\ \text{\o} 3334$ 

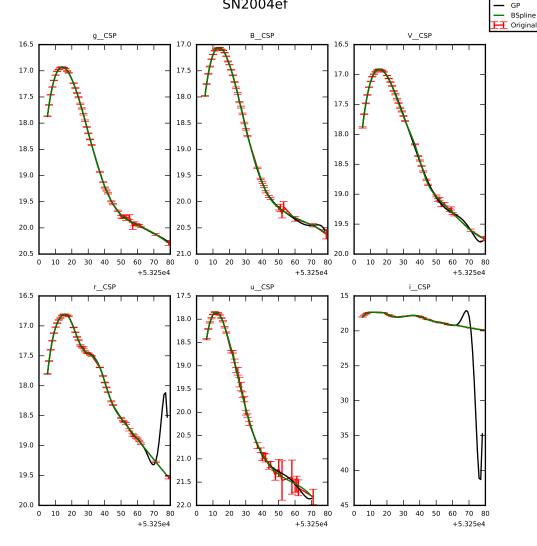
## SN2006ev

la



## SN2004ef

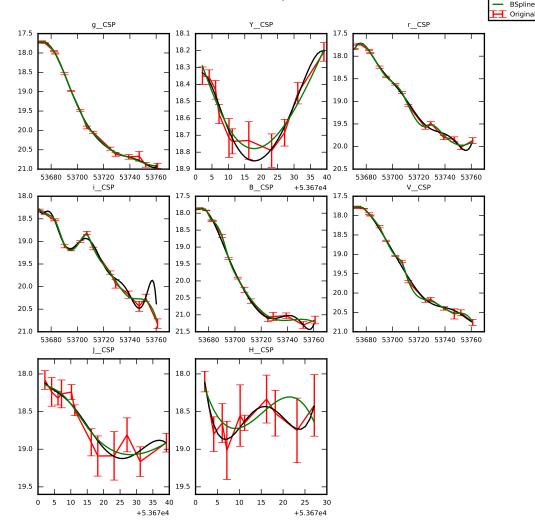
la



## SN2005hj

la

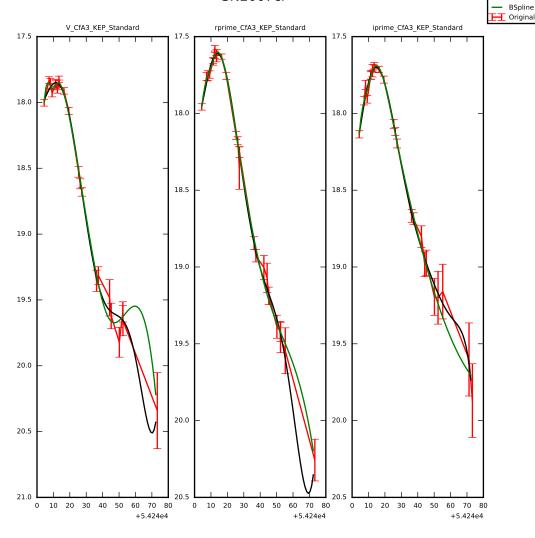
GP BSpline



## SN2007cl

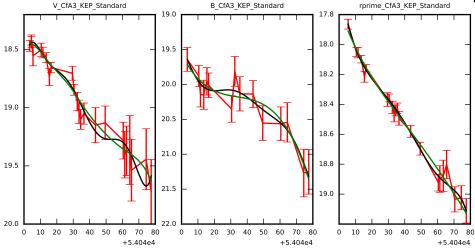
lc

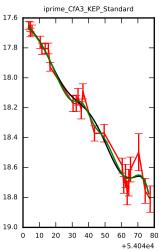
GP



## SN2006lv



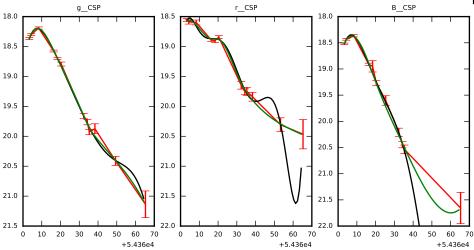


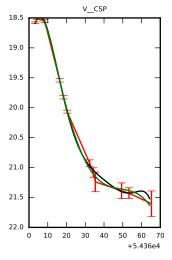


# SN2007jh

la

GPBSplineOriginal

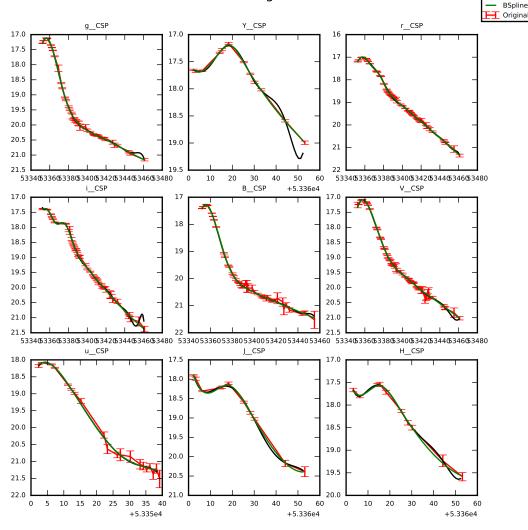




SN2004gs

la

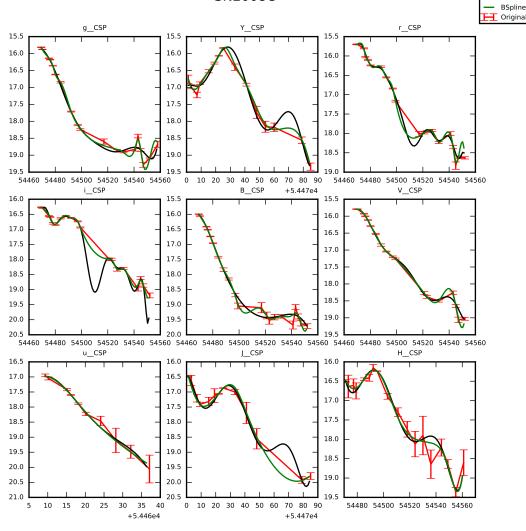
GP

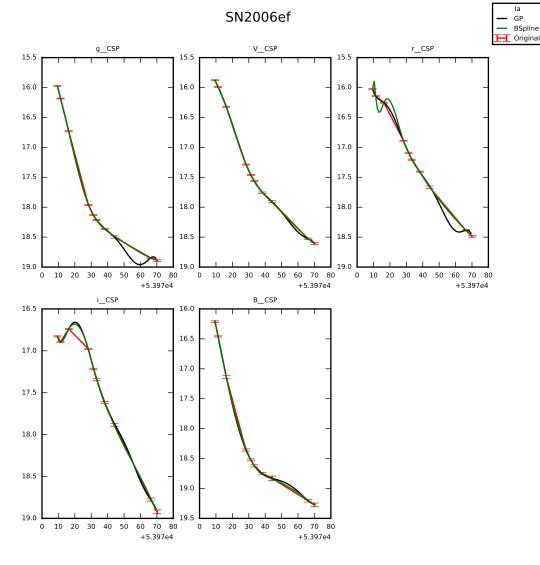


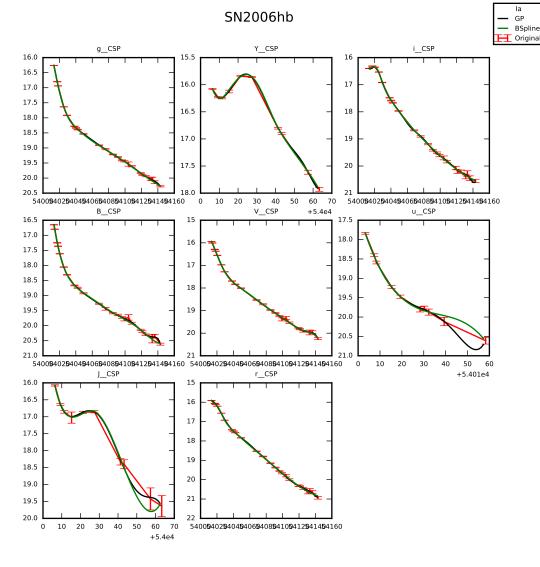
SN2008C

la

GP



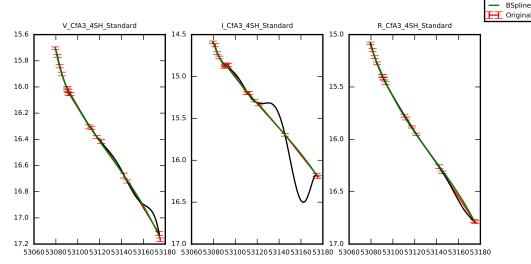


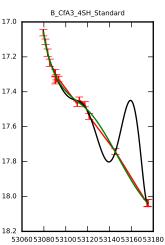


#### SN2004ao

lb

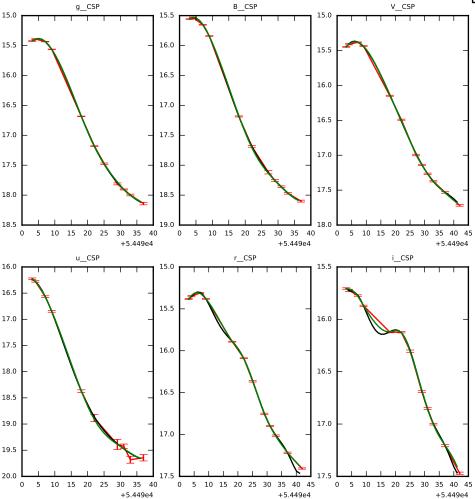
GΡ





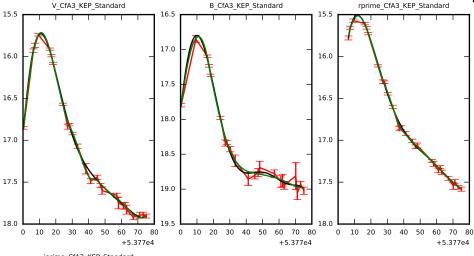
## SN2008R

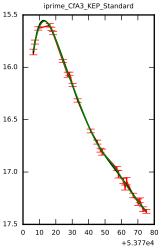


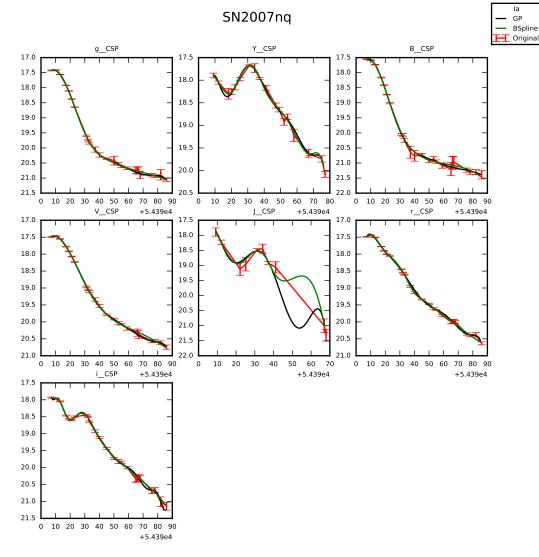


## SN2006T



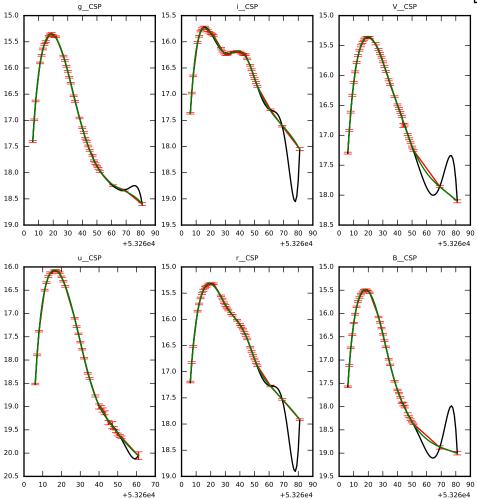






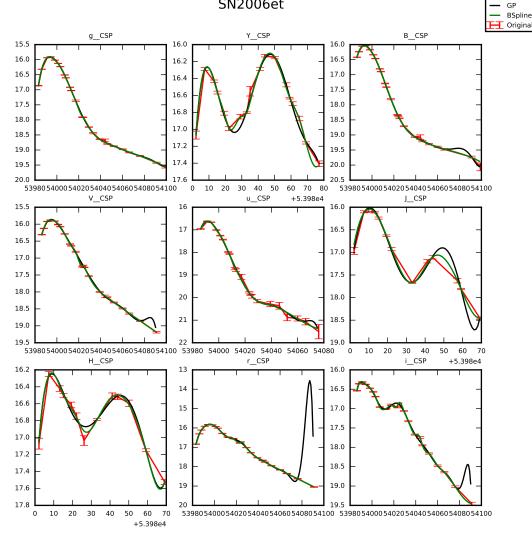
## SN2004eo





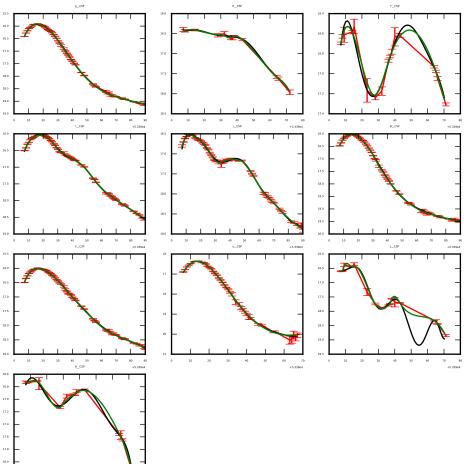
SN2006et

la



## SN2005M

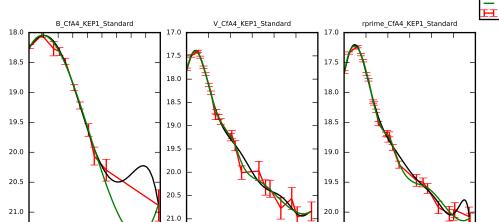




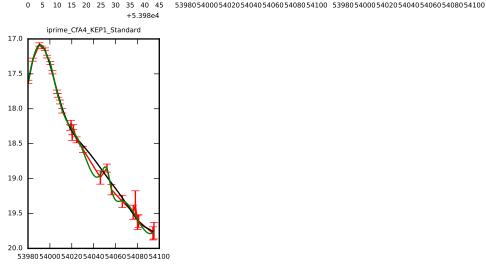
## SN2006ep

lb

GP **BSpline** Original



20.5



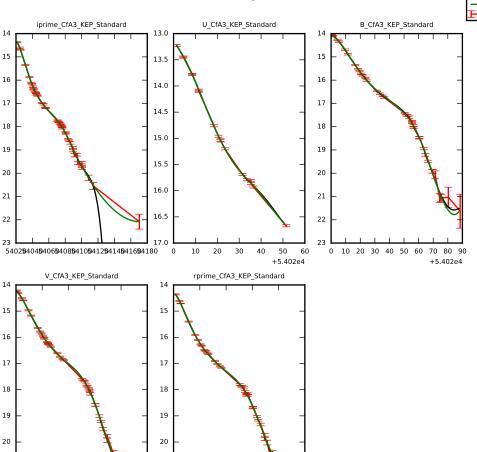
21.5

0

## SN2006jc

Ibn

GΡ **BSpline** Original

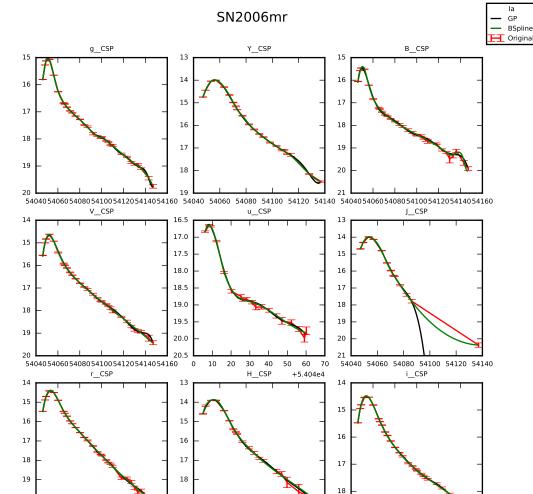


21

22 54020 54040 54060 54080 54100 54120 54020 54040 54060 54080 54100 54120

21

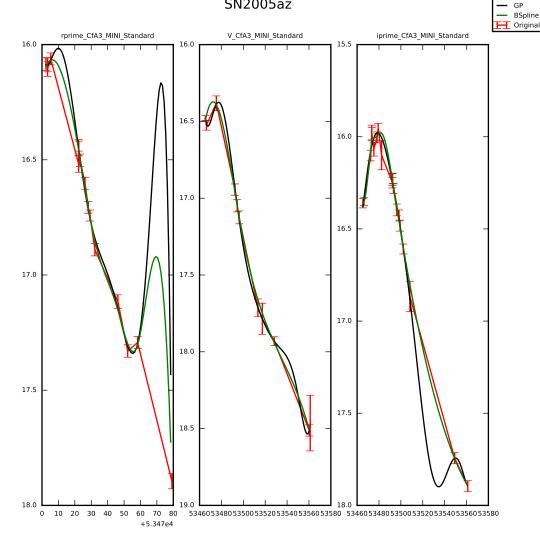
22

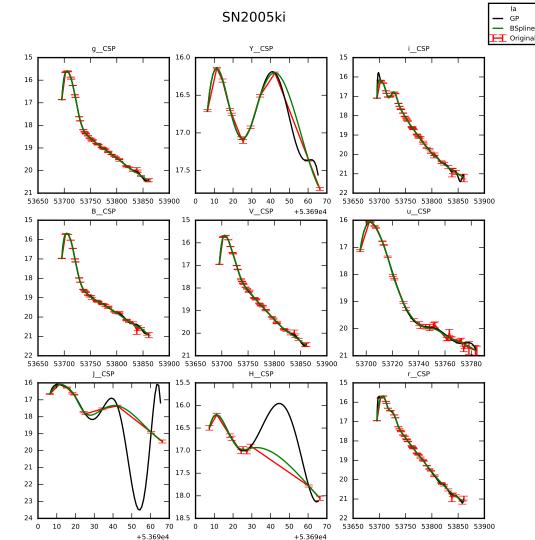


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#### SN2005az

lc

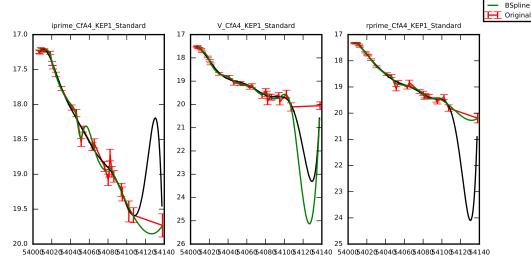


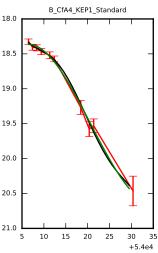


#### SN2006fo

lb

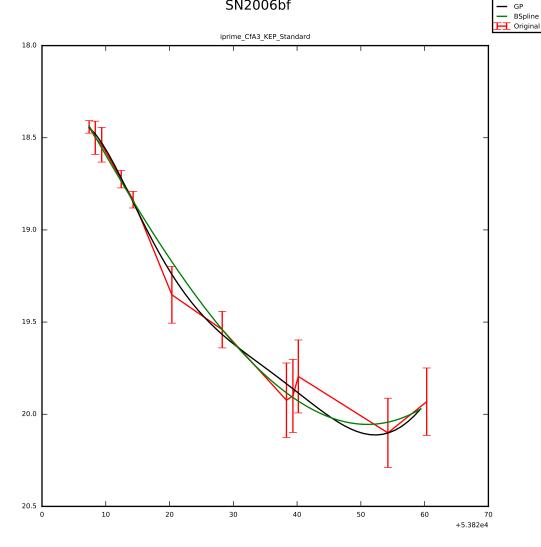
GP





## SN2006bf

IIb



#### SN2007ai T Original g\_\_CSP B CSP V\_CSP 17.5 18.0 17.5 18.0 18.5 18.0 18.5 19.0 18.5 19.0 19.5 19.0 19.5 20.0 19.5 20.0 20.5 20.0 20.5 21.0 20.5 21.0 21.5 21.0 21.5 22.0 22.0 22.5 0 10 20 30 40 50 60 70 80 90 0 10 20 30 40 50 60 70 80 90 0 10 20 30 40 50 60 70 80 90 +5.417e4 +5.417e4 +5.417e4 r\_CSP i CSP 17.5 17.5 18.0 18.0 18.5 18.5 19.0 19.0 19.5 19.5 20.0

0 10 20 30 40 50 60 70 80 90

+5.417e4

20.5

21.0

21.5

22.0

+5.417e4

0 10 20 30 40 50 60 70 80 90

20.0

20.5

21.0

21.5

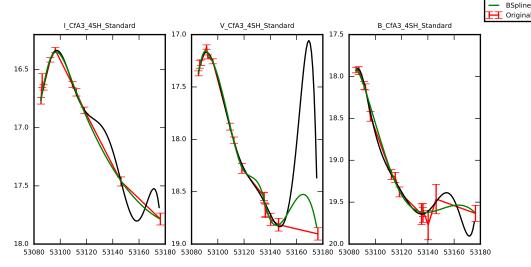
la

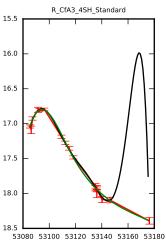
GΡ **BSpline** 

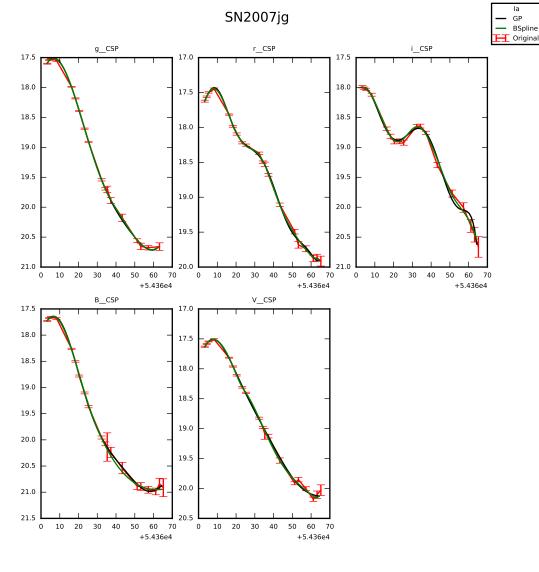
## SN2004aw

lc

GΡ



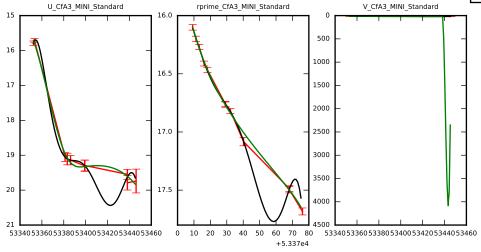


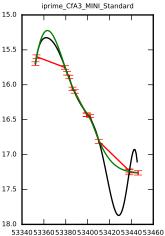


## SN2004gq

lb

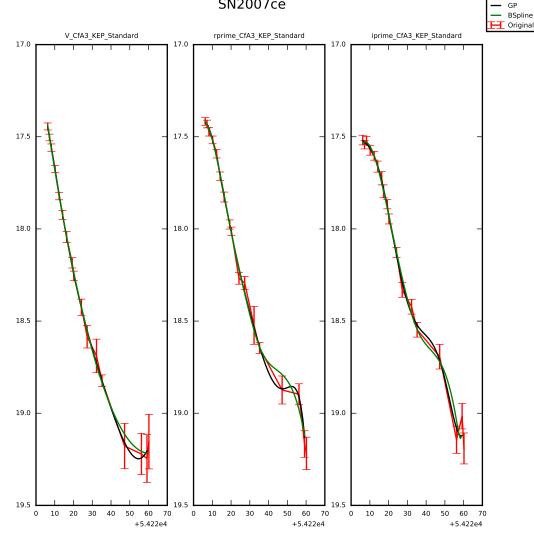
GP BSpline Original





## SN2007ce

Ic BL



SN2008gp g\_\_CSP Y\_CSP B\_CSP 17.0 16.5 16.5 17.0 17.0 17.2 17.5 17.5 17.4 18.0 18.0 18.5 17.6 18.5 19.0 17.8 19.0 19.5 19.5 18.0 20.0 10 15 20 25 30 35 40 45 20 30 60 70 30 10 40 50 10 20 40 50 60 V\_CSP u\_\_CSP J\_CSP +5.477e4 +5.476e4 +5.476e4 16.5 17.0 17 17.5 18 17.0 18.0 19 18.5 20 17.5 19.0 21 19.5 22 18.0 20.0 23 20.5 24 18.5 21.0 25 19.0 10 5 10 15 20 25 30 35 40 45 0 10 20 30 40 50 60 70 80 90 0 20 30 40 50 60 0 r\_CSP +5.476e4 i CSP +5.477e4 +5.476e4 16.6 17.2 16.8 17.4 17.0 17.2 17.6 17.4 17.8 17.6 17.8 18.0 18.0 18.2 18.2 10 20 30 40 50 60 10 20 30 40 50 60 0 0 +5.476e4 +5.476e4

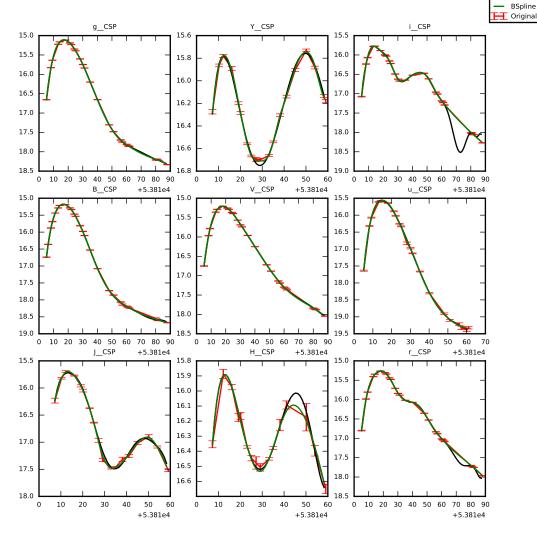
la

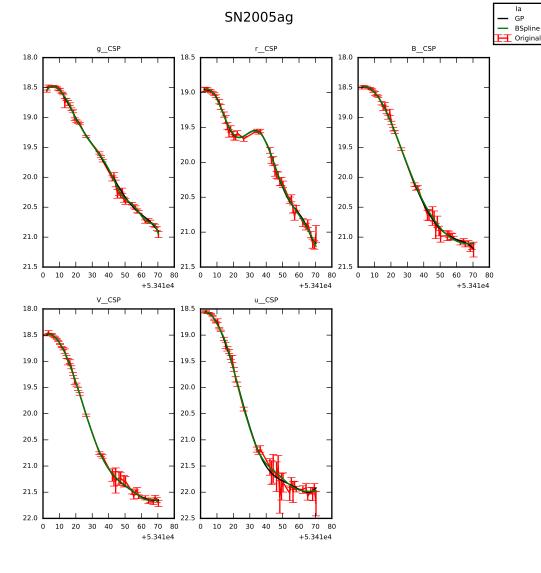
GPBSpline✓ Original

#### SN2006ax

la

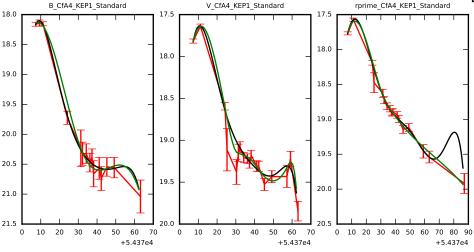
GΡ

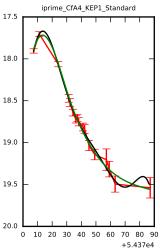




## SN2007kj







SN2005bg g\_\_CSP B\_CSP V\_CSP 15.5 14 8 16.0 15 10 16.5 16 17.0 12 14 17.5 17 18.0 16 18 18 18.5 19 20 19.0 5 10 15 20 25 30 35 40 45 5 10 15 20 25 30 35 40 45 5 10 15 20 25 30 35 40 45 0 0 +5.347e4 +5.347e4 +5.347e4 u\_CSP r\_CSP i\_CSP 16.5 15.5 14.5 15.0 17.0 16.0 15.5 17.5 16.5 16.0 16.5 18.0 17.0 17.0 18.5 17.5 17.5

0 5 10 15 20 25 30 35 40 45

18.0

+5.347e4

0 5 10 15 20 25 30 35 40 45

+5.347e4

18.0

20 25 +5.347e4

19.0

0

5 10 15

la

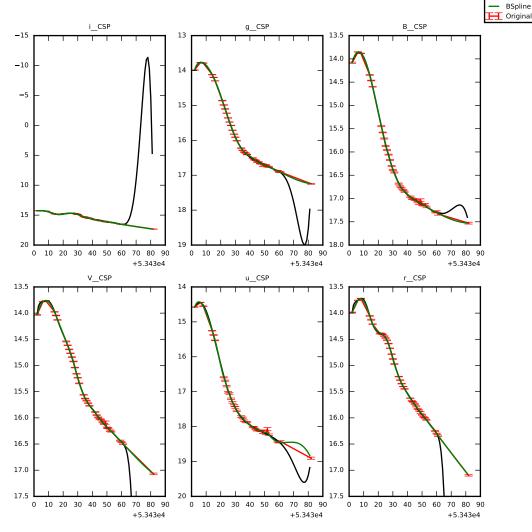
SN2004gt GP BSpline T Original rprime\_CfA3\_MINI\_Standard 15.5 16.0 16.5 17.0 17.5 18.0 18.5 19.0 19.5 L 53380 53400 53420 53440 53460 53480 53500 53520 53540

lc

#### SN2005am

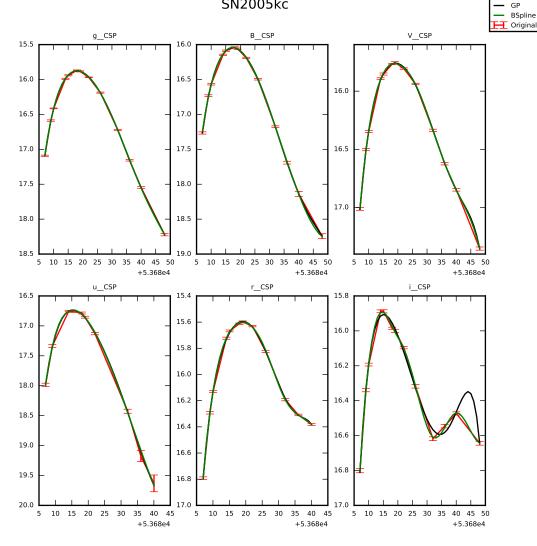
la

GΡ



#### SN2005kc

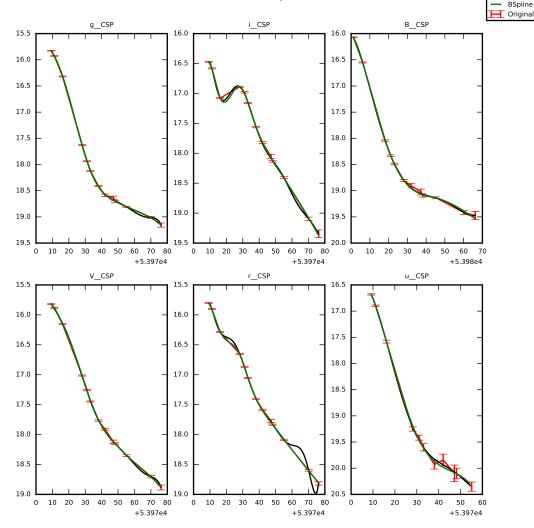
la



SN2006ej

la

GP BSpline



# lb-n/llb-n SN2005la iprime\_CfA3\_KEP\_Standard 17.5 18.0 18.5 19.0 19.5 20.0 20.5 21.0 21.5 22.0 10 20 30 40 50 0 60 +5.371e4 rprime\_CfA3\_KEP\_Standard 18.0 18.5 19.0 19.5 20.0 20.5 21.0 21.5

22.0

0

10

20

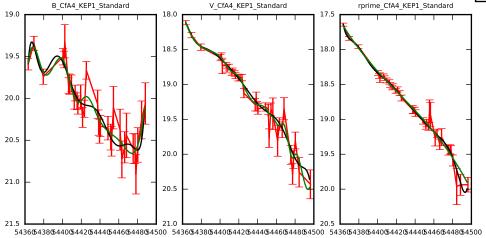
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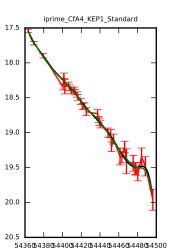
40

50 +5.371e4

# SN2007iq

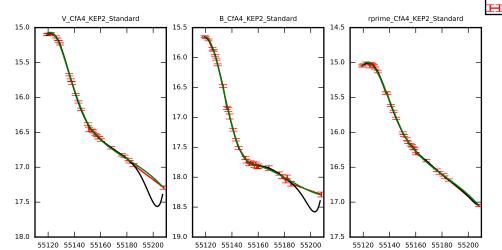


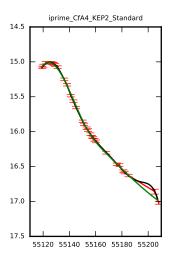


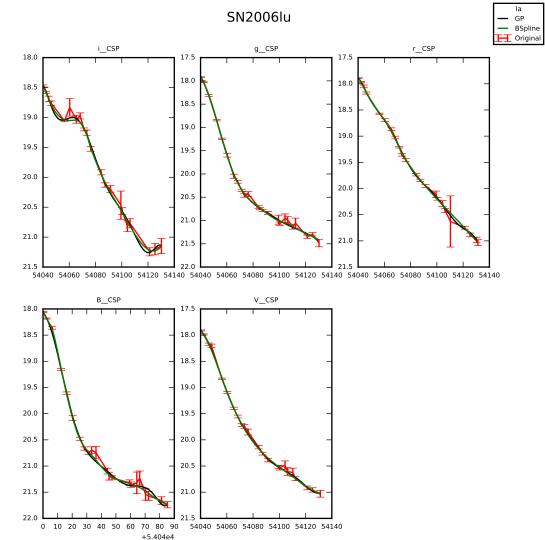


# SN2009jf

lb

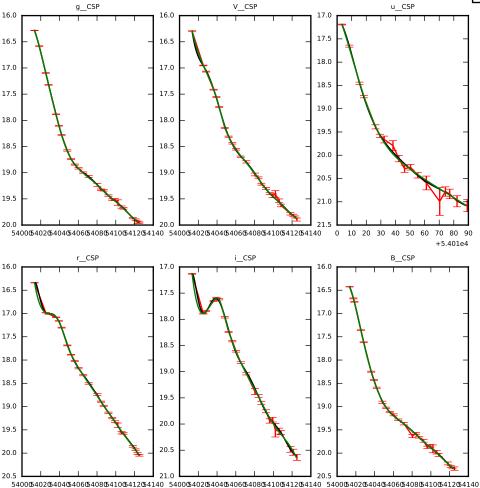






#### SN2006is

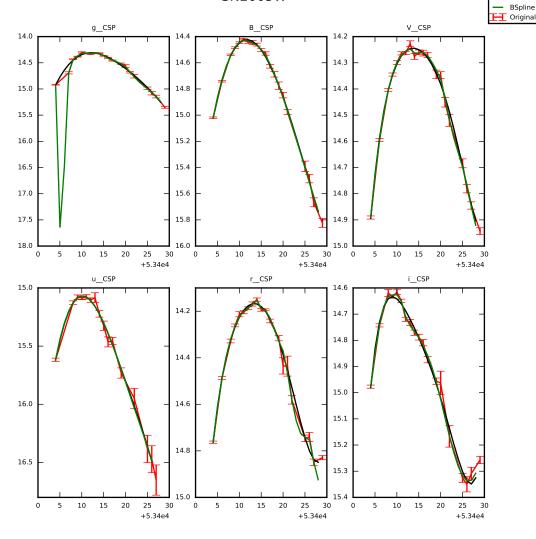




## SN2005W

la

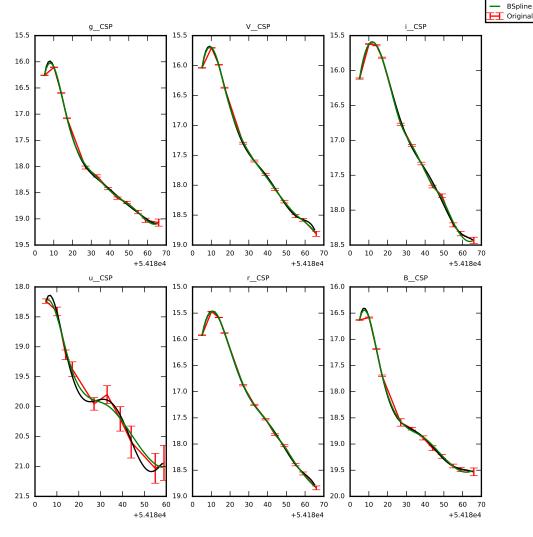
GΡ



SN2007ax

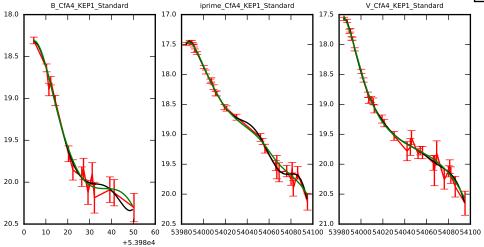
la

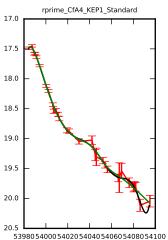
GΡ **BSpline** 

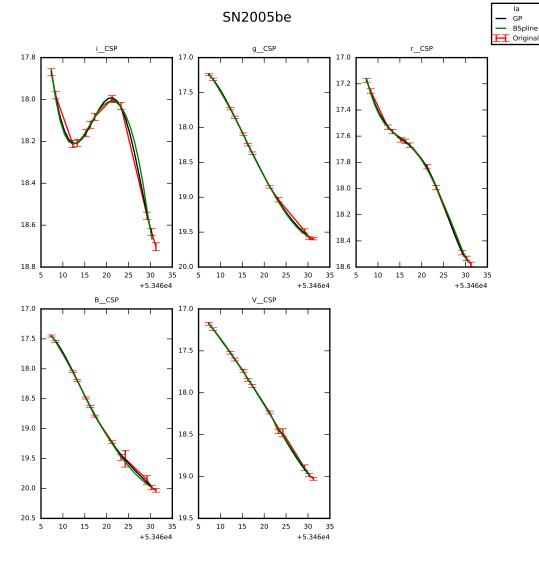


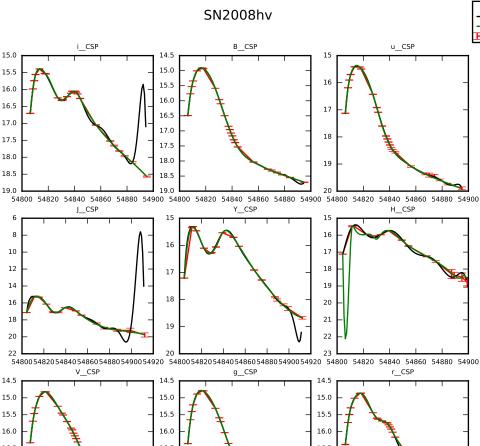
#### SN2006el



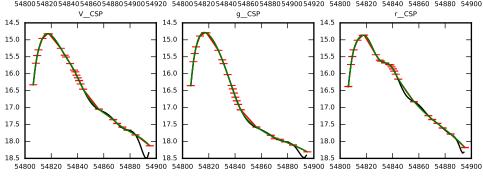






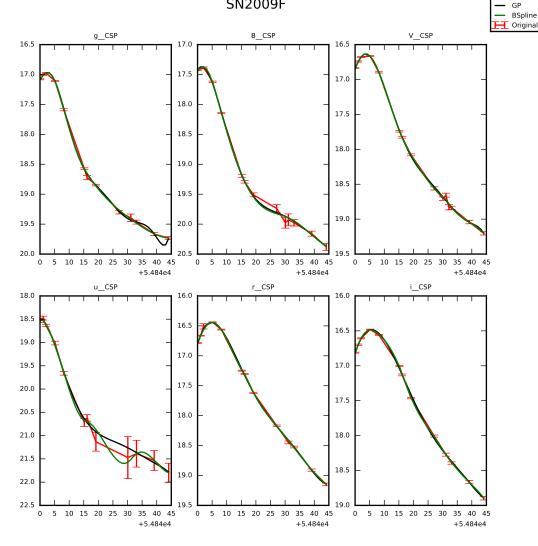


la



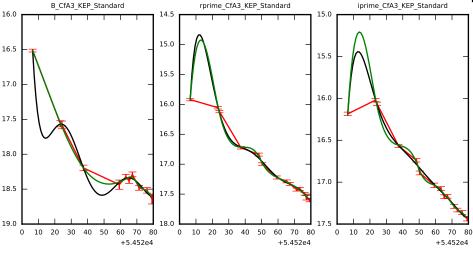
## SN2009F

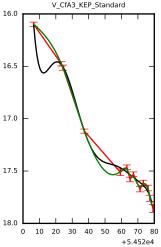
la

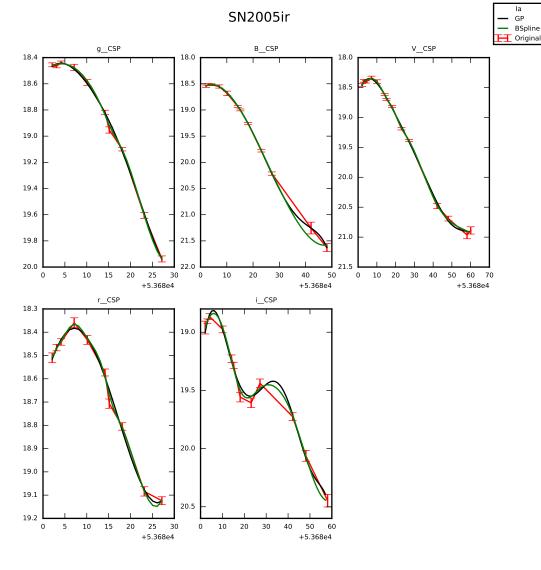


# SN2008aq





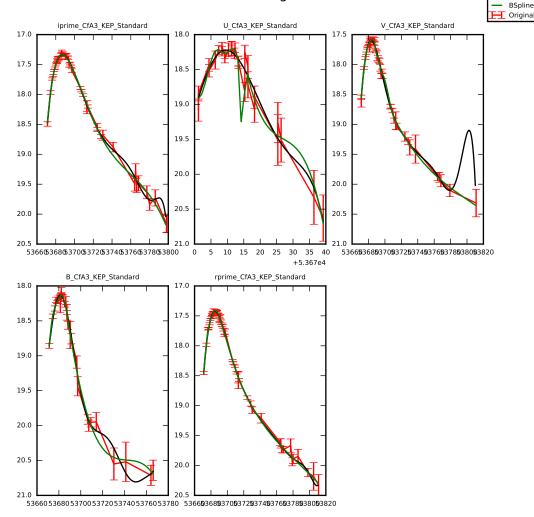


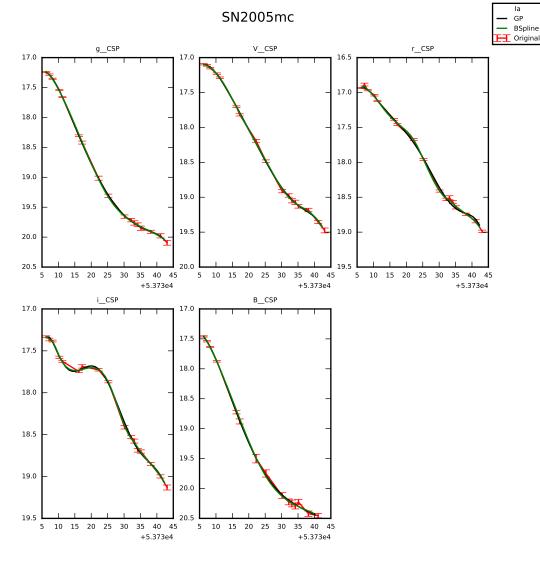


# SN2005hg

lb

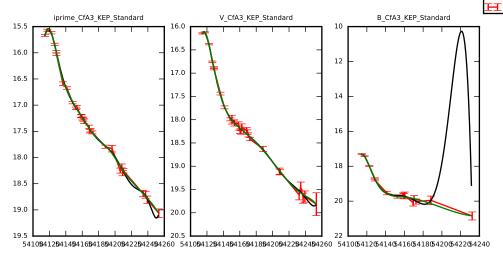
GP

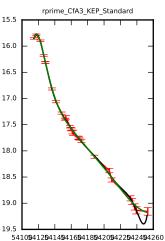


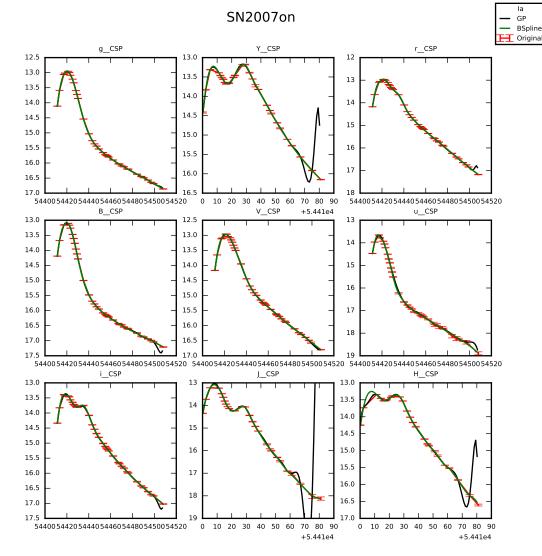


#### SN2007C

lb



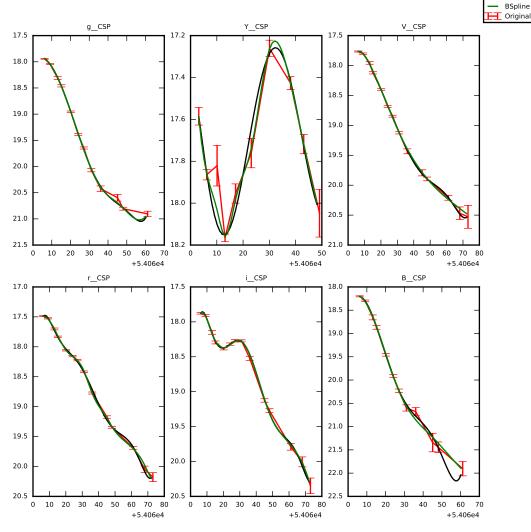


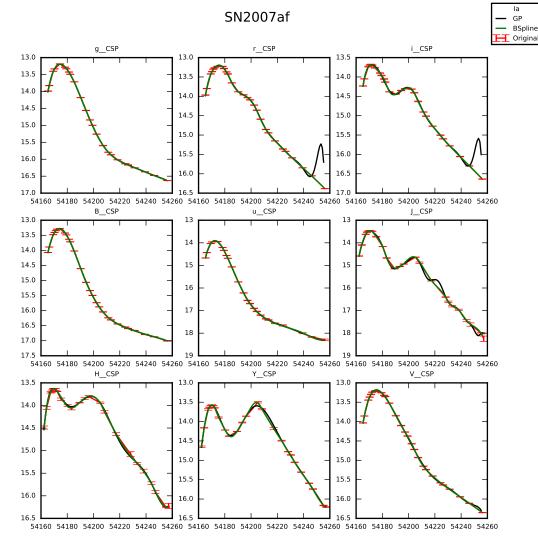


## SN2006os

la

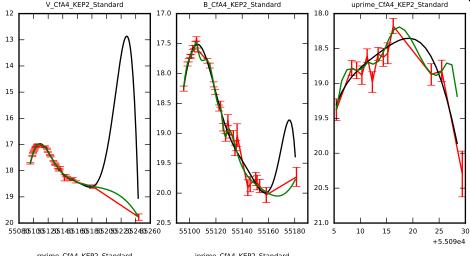
GΡ **BSpline** 

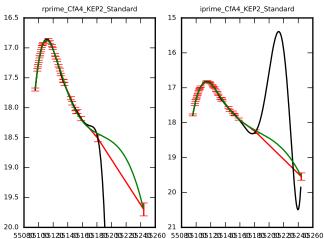




#### SN2009iz

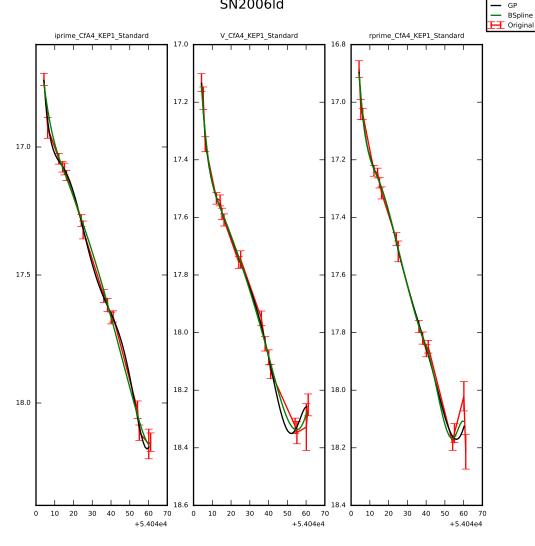






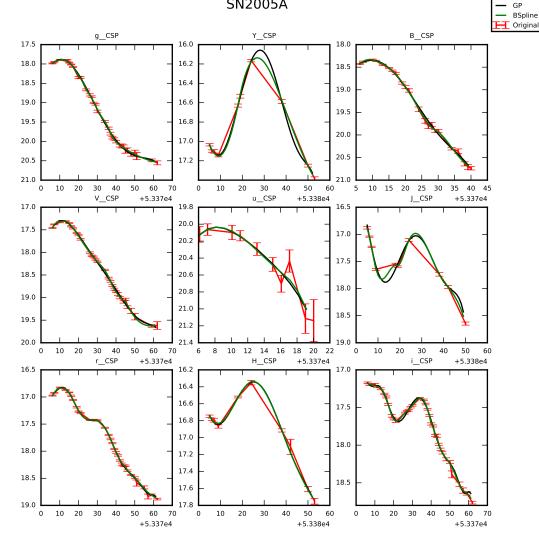
#### SN2006ld

lb

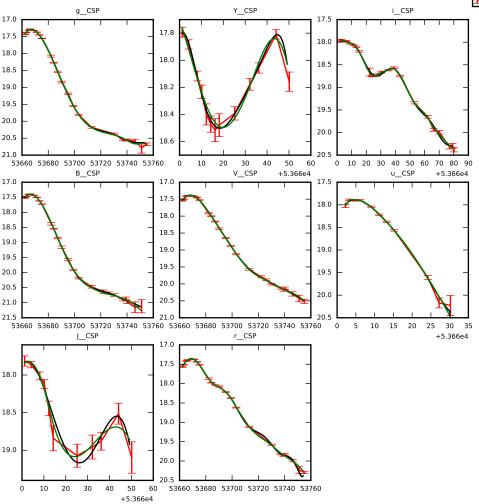


## SN2005A

la

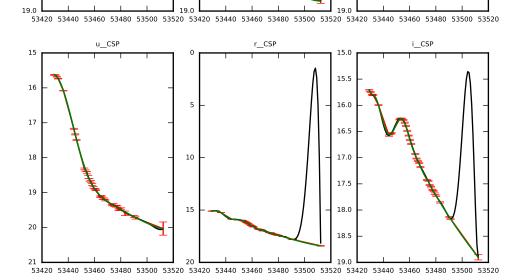


# SN2005hc Ia GP BSpline Coriginal



#### la SN2005al GΡ **BSpline** Original g\_\_CSP B CSP V CSP 15.0 15.0 15.5 15.5 16.0 16.0 16.5 16.5 17.0 17.0 17.5 17.5 18.0 18.0

18.5



18.5

15.0 15.5

16.0

16.5

17.0

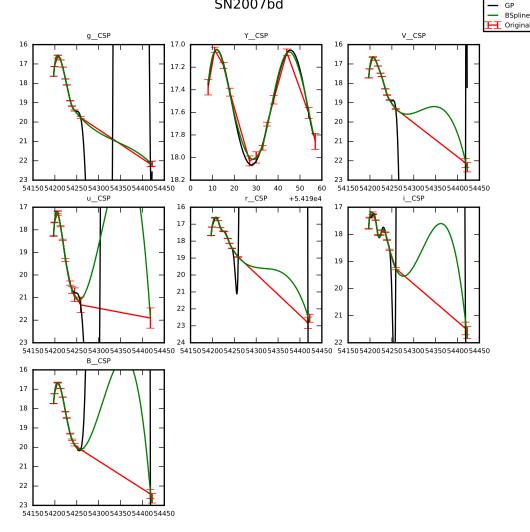
17.5

18.0

18.5

#### SN2007bd

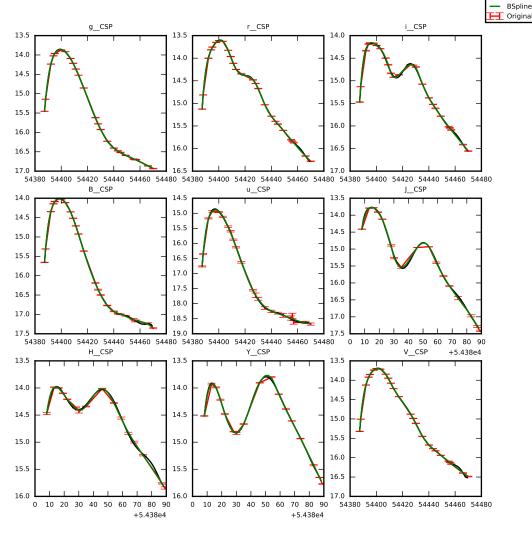
la

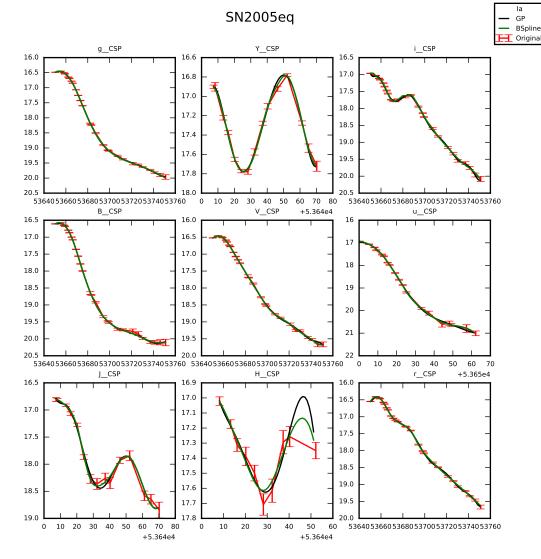


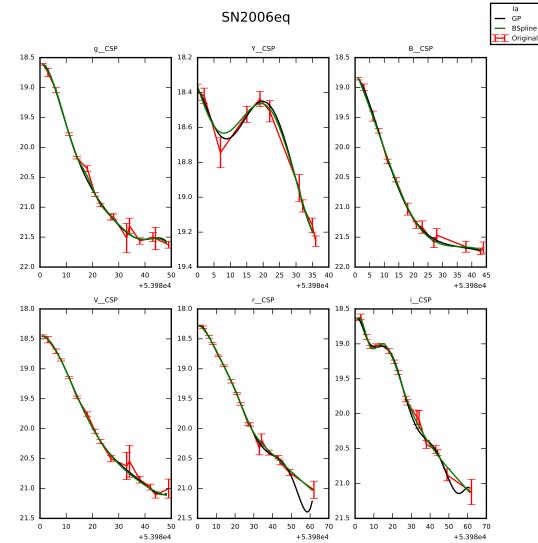
#### SN2007le

la

GP



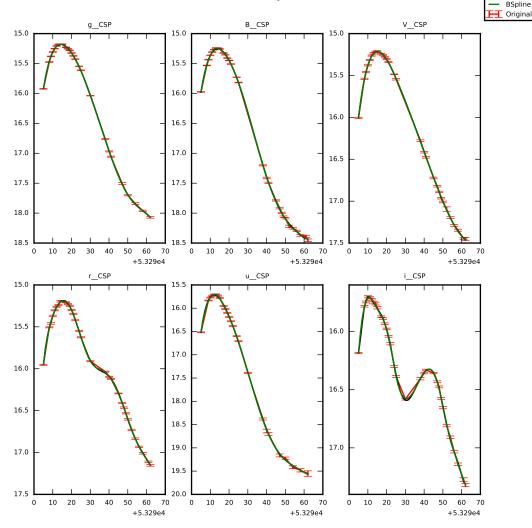




SN2004ey

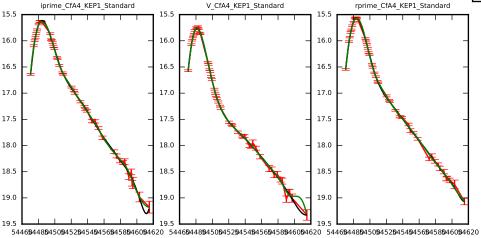
la

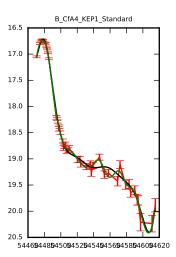
GP BSpline



# SN2007uy







SN2006gt g\_CSP Y\_CSP B\_CSP 17.5 18.0 18.0 18.5 18.5 18.0 19.0 19.0 19.5 19.5 18.5 20.0 20.0 19.0 20.5 20.5 21.0 21.0 19.5 21.5 21.5 22.0 20.0 22.0 70 50 70 20 50 60 10 20 40 10 20 10 30 40 0 30 0 30 40 50 60 +5.4e4 +5.4e4 +5.4e4 V\_CSP r\_CSP i\_CSP 18.0 18.0 18.0 18.5 18.5 18.5 19.0 19.0 19.0 19.5 19.5 19.5 20.0 20.0 20.0 20.5 20.5 20.5 21.0 21.0 21.0

21.5

0 10

20

30 40 50

60 70

+5.4e4

60 70

+5.4e4

21.5

0

10

20 30 40 50

60 70

+5.4e4

50

21.5

0 10

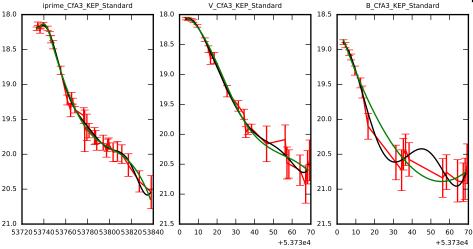
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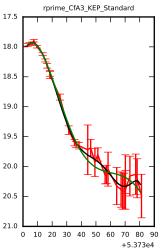
30 40

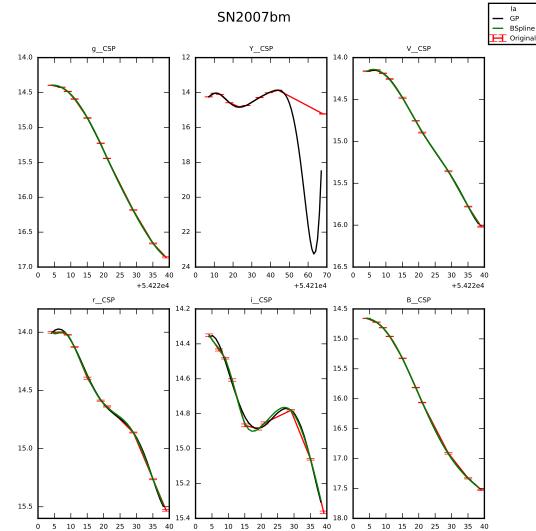
la

#### SN2005mf









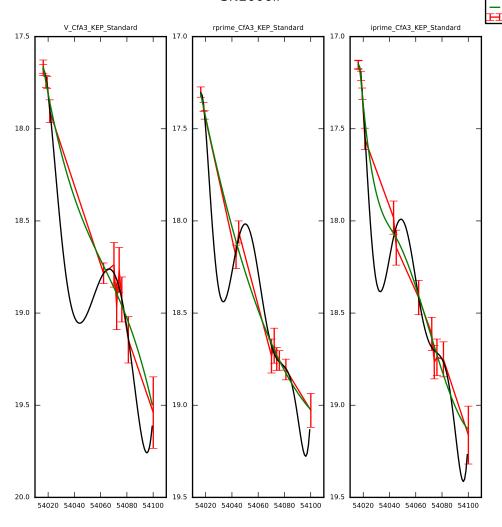
+5.422e4

+5.422e4

+5.422e4

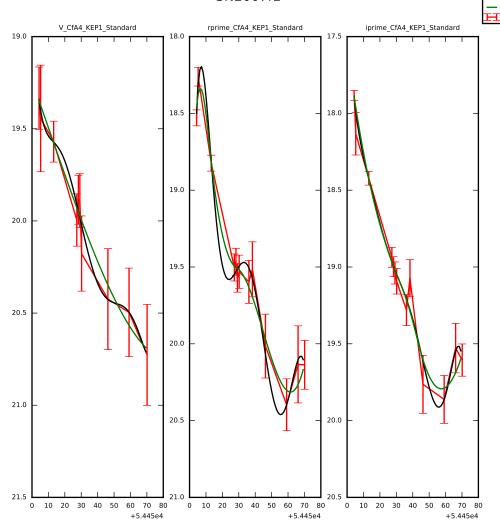
## SN2006ir

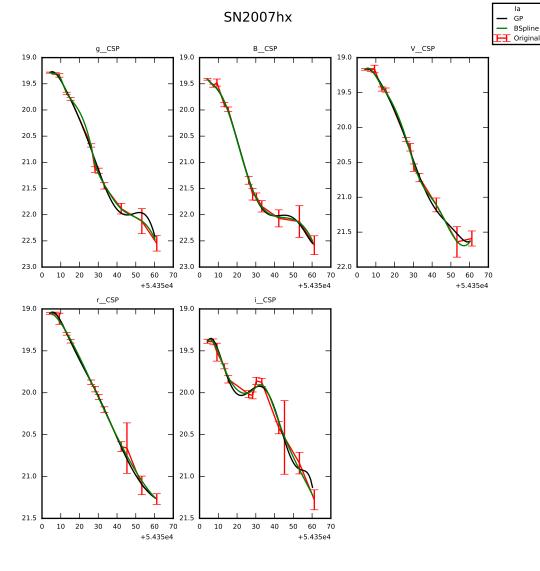
lb/c



#### SN2007rz

lc





#### SN2005lu g\_\_CSP B CSP V\_CSP 17.0 17.5 17.0 18.0 17.5 17.5 18.5 18.0 18.0 19.0 18.5 18.5 19.5 19.0 20.0 19.5 19.0 20.5 20.0 19.5 21.0 20.5 20.0 21.0 5 10 15 20 25 30 35 40 45 10 20 30 40 50 60 70 80 20 30 40 50 60 70 80 0 0 10 +5.372e4 +5.372e4 +5.372e4 r\_CSP i CSP 17.0 17.5 17.5 18.0 18.0 18.5 18.5 19.0 19.5 19.0 19.5 20.0 20.5 20.0

0 10 20 30 40 50 60 70 80

+5.372e4

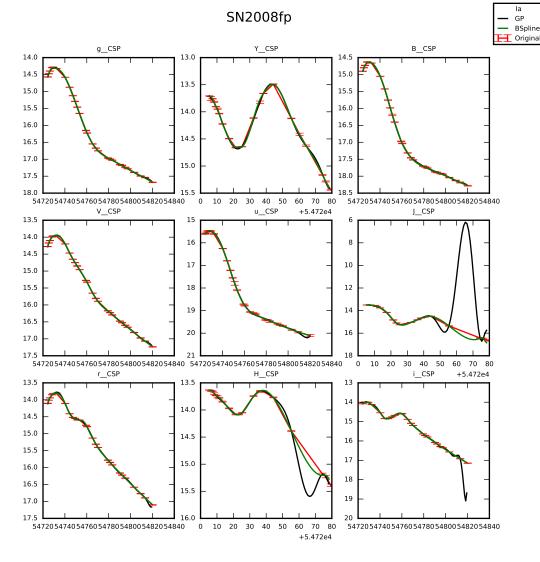
21.0

+5.372e4

0 10 20 30 40 50 60 70 80

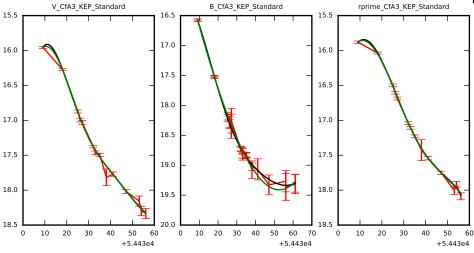
20.5

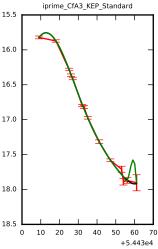
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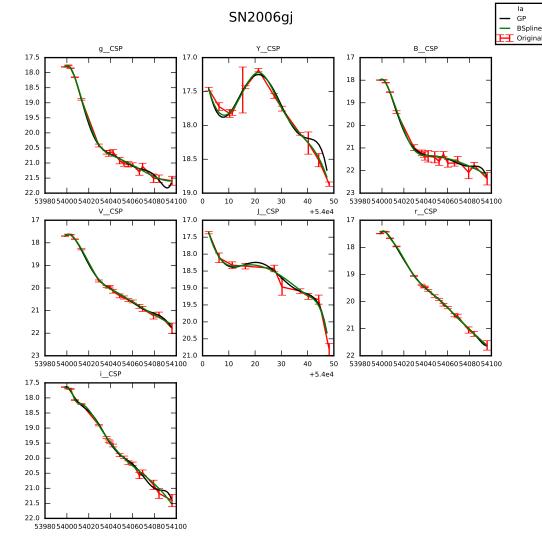


#### SN2007ru









# SN2004gk

lc

GP BSpline

