Model call record

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Calculates emission factors

Check package version.

```
packageVersion('ALFAM2')
```

```
## [1] '2.0'
```

Parameter values.

```
ALFAM2pars02
```

```
##               int.f0     app.mthd.os.f0     app.rate.ni.f0         man.dm.f0 man.source.pig.f0     app.mthd.cs.f0             int.r1
##           -0.60568338        -1.74351499        -0.01114900        0.39967070        -0.59202858        -7.63373787        -0.93921516
##       app.mthd.bc.r1           man.dm.r1         air.temp.r1         wind.2m.r1     app.mthd.ts.r1 ts.cereal.hght.r1           man.ph.r1
##            0.79352480        -0.13988189         0.07354268         0.15026720        -0.45907135        -0.24471238         0.66500000
##               int.r2         rain.rate.r2             int.r3     app.mthd.bc.r3     app.mthd.cs.r3             man.ph.r3 incorp.shallow.f4
##           -1.79918546         0.39402156        -3.22841225         0.56153956        -0.66647417         0.23800000        -0.96496655
## incorp.shallow.r3       incorp.deep.f4      incorp.deep.r3
##           -0.58052689        -3.69494954        -1.26569562
```

Run model with set 2 parameters

```
preds <- ALFAM2mod(dat, pars = ALFAM2pars02, app.name = 'tan.app', time.name = 'ct', group = 'id', prep = TRUE)
```

```
## User-supplied parameters are being used.
```

```
## Warning in ALFAM2mod(dat, pars = ALFAM2pars02, app.name = "tan.app", time.name = "ct", : Running with 13 parameters. Dropped 11 with no
## These secondary parameters have been dropped:
##    app.mthd.os.f0
##    app.mthd.cs.f0
##    app.mthd.bc.r1
##    app.mthd.ts.r1
```

```
##    ts.cereal.hght.r1
##    app.mthd.bc.r3
##    app.mthd.cs.r3
##    incorp.shallow.f4
##    incorp.shallow.r3
##    incorp.deep.f4
##    incorp.deep.r3
##
## These secondary parameters are being used:
##    int.f0
##    app.rate.ni.f0
##    man.dm.f0
##    man.source.pig.f0
##    int.r1
##    man.dm.r1
##    air.temp.r1
##    wind.2m.r1
##    man.ph.r1
##    int.r2
##    rain.rate.r2
##    int.r3
##    man.ph.r3
```

Add results to main df

```
names(preds) <- paste0(names(preds), '.pred')
dat <- cbind(dat, preds)
dat$EFp <- 100 * dat$er.pred
```